# When you buy from us, you get the Green Line advantage...

- Proven product quality and reliability at competitive prices.
- Large inventories at convenient shipping points across Canada.
- Many popular hose assemblies pre-made for convenience & quick delivery.
- If it's in this catalog... it's in our warehouse, ready to be shipped.
- The friendliest, most experienced & knowledgeable staff in the business.
- Dealer sales aids including labels, charts, posters & signs.
- Same day shipping for most orders.
- No order minimums.



Air

Water

Welding & Steam

**Petroleum & Oilfield** 

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Products listed in this catalog are in stock... ready for shipping. Check stock levels online!

If you can't find it... Call us at any of the toll-free numbers on the back cover

For attaching and testing information, please refer to our Fittings Catalog



## **Choosing an Air Hose:**

Listed first are our most popular air hose assemblies, divided by type. Later in the section you will find detailed specifications for all of these hoses, as well as many specialty and bulk products.

50 & 100 ft assemblies are packaged for retail display







G922-RCNR

PREMIUM AIR

Premium Air is soft, supple and easy to coil and handle, even on the coldest days. Rated to -54°C.

Hose	NPT			Weight				
size	size	Length (ft)	Part Number	Each (Lb)				
Assemblies with crimped end fittings and bend restrictors								
3/8"	1/4"	25	G924-038M44M25	2.8	See			
3/8	1/4	50	G924-038M44M50	5.5	Prices Online			
3/8	1/4	100	G924-038M44M100	10.7	ontine			



## POLY-AIR®...

POLY-AIR<sup>®</sup> was the first hybrid polymer hose. It has been a top seller for 25 years. It is available in many configurations and sizes. Rated to -25°C.

Hose NPT size size Length (ft)		Length (ft)	Part Number	Weight Each (۱৮)						
Assem	Assemblies with crimped end fittings									
1/4"	1/4"	25	G922-025M44M25	2.1						
1/4	1/4	50	G922-025M44M50	4.1						
1/4	1/4	100	G922-025M44M100	8.1						
3/8 3/8 3/8 3/8	1/4 1/4 1/4 1/4	10 25 50 100	G922-038M44M10 G922-038M44M25 G922-038M44M50 G922-038M44M100	1.3 2.8 5.6 11.1	See Prices					
3/8	3/8	25	G922-038M66M25	2.9	Online					
3/8	3/8	50	G922-038M66M50	5.6						
3/8	3/8	100	G922-038M66M100	11.1						
1/2	3/8	25	G922-050M66M25	4.5						
1/2	3/8	50	G922-050M66M50	8.7						
1/2	3/8	100	G922-050M66M100	17.2						
1/2	1/2	25	G922-050M88M25	4.5						
1/2	1/2	50	G922-050M88M50	8.7						
1/2	1/2	100	G922-050M88M100	17.2						
Assemblies with reusable end fittings										
3/8"	3/ <sub>8</sub>	50	G922-038R66R50	6.2						
3/8	3/ <sub>8</sub>	100	G922-038R66R100	11.8						
Assem	blies w	ith reusable j	fittings plus C6 and CP	6 quick cou	plings					
<sup>3</sup> /8"	3/ <sub>8</sub>	50	G922-038RCNR50	7.0						
<sup>3</sup> /8	3/ <sub>8</sub>	100	G922-038RCNR100	12.5						

The most cost effective Poly-Air assemblies are red, since we produce them in volume and keep them in stock. For custom order blue assemblies call us for pricing.

# GENERAL SHOP & NAIL GUN HOSE



## NORTH WIND

North Wind is rated to -54°C. This true Arctic hose has a huge following even in warmer climates where users love its soft and supple feel.

Hose size	NPT size	Length (ft)	Part Number	Weight Each (۱Ҍ)	
Assem	ıblies wi	ith crimped	end fittings and ben	d restrictors	
1/4'' 1/4 1/4	1/4" 1/4 1/4	25 50 100	G923-025M44M25 G923-025M44M50 G923-025M44M100	2.1 4.1 8.1	See Prices
3/8 3/8 3/8	1/4 1/4 1/4	25 50 100	G923-038M44M25 G923-038M44M50 G923-038M44M100	2.8 5.5 10.7	Online



## G221 & G222 MULTI-PURPOSE

G221 & G222 multi-purpose assemblies are traditional, true rubber hoses. Unlike hybrid polymer, true synthetic rubber doesn't melt or soften around sparks and heat. Rated to -40°C.

Hose size	NPT size	Length (ft)	Part Number	Weight Each (ԼԵ)					
G221 Assemblies with crimped end fittings									
3/8" 3/8 3/8	1/4" 1/4 1/4	25 50 100	G221-038M44M25 G221-038M44M50 G221-038M44M100	4.4 8.6 17.1					
1/2	3/ <sub>8</sub>	50	G221-050M66M50	13.5					
G222	Assemb	lies with cri	mped end fittings						
1/4" 1/4	1/4" 1/4	25 50	G222-025M44M25 G222-025M44M50	3.1 6.1	See Prices Online				
3/8 3/8 3/8	1/4 1/4 1/4	25 50 100	G222-038M44M25 G222-038M44M50 G222-038M44M100	4.4 8.6 17.1					
3/8 3/8 3/8	3/8 3/8 3/8	25 50 100	G222-038M66M25 G222-038M66M50 G222-038M66M100	4.4 8.6 17.1					
1/2 1/2	3/8 1/2	50 50	G222-050M66M50 G222-050M88M50	13.0 13.0					

For larger sizes with Universal Couplings see page 8...

## G1722B POLYURETHANE AIR

Polyurethane is an extremely tough compound that resists cuts, nail punctures and abrasion. The high strength compound also gives kink resistance and a slippery surface that doesn't catch or kink on corners. Rated to -40°C.

Hose	NPT	Standard	Part	Weight					
<u>size</u>	size	Length (ft)	Number	Each (lb)					
G1722B Assemblies with crimped end fittings and bend restrictors									
1/4"	1/4"	25	G1722B-025M44M25	1.2					
1/4	1/4	50	G1722B-025M44M50	2.2					
1/4	1/4	100	G1722B-025M44M100	4.2					
3/ <sub>8</sub>	1/4	25	G1722B-038M44M25	2.2	See				
3/ <sub>8</sub>	1/4	50	G1722B-038M44M50	4.2	Prices				
3/ <sub>8</sub>	1/4	100	G1722B-038M44M100	8.2	Online				
3/8	3/8	50	G1722B-038M66M50	4.2	Untille				
3/8	3/8	100	G1722B-038M66M100	8.2					
HR1722B Hose reels complete with hose assemblies									
1/4"	1/4"	164	HR1722B-025M44M164	18.0					
3/8	3/8	100	HR1722B-038M66M100	20.0					

G1722B

G1722B hose can be purchased already mounted on a storage reel. The package comes complete with reel, hose assembly with male NPT end fittings and a  $3^{1}/2$  ft whip hose to connect to the air supply.



Tired of stiff, kinking, or easily damaged selfstoring hoses, but dislike the bulk of rubber hose ? Polyurethane Recoil is the answer... Polyurethane will bounce back again and again despite crushing or kinking. The working length of the hose is 80 to 90% of actual length, and is easier to use than conventional nylon or hytrel recoil hoses due to the superior elastic properties of urethane. Seeing (and feeling) is believing with this product – try a length and see!

## G1710... POLYURETHANE RECOIL HOSE

 Temperature Range: -40°C (-40°F) to 65°C (150°F)

 Working Pressure: 130 psi at 20°C (68°F)

 60 psi at 50°C (122°F)

Hose size	NPT size	Length (ft)	Part Number	Weight Each (lb)	
1/4"	1/4"	10	G1710-025MM10	0.5	
1/4	1/4	12	G1710-025MM12	0.6	
1/4	1/4	15	G1710-025MM15	0.7	
1/4	1/4	20	G1710-025MM20	0.9	
1/4	1/4	25	G1710-025MM25	1.0	See
1/4	1/4	30	G1710-025MM30	1.2	Prices
1/4	1/4	50	G1710-025MM50	2.0	Online
3/8	3/8	15	G1710-038MM15	1.4	
3/8	3/8	25	G1710-038MM25	1.8	
3/8	3/8	50	G1710-038MM50	3.5	

For applications where higher pressure and increased kink resistance is preferred, we also offer urethane recoil with a spiral yarn reinforcement. Since for all thermoplastic hoses the working pressure drops as temperature increases, a reinforced hose is preferred at elevated temperatures. Our G1712 is supplied in a transparent blue color to show the fabric layer.

### G1712... REINFORCED POLYURETHANE RECOIL HOSE

Tube: Clear, polyurethane.
Reinforcement: High tensile strength yarn.
Cover: Transparent blue, polyurethane.
Temperature Range: -40°C (-40°F) to 65° C (150°F)
Working Pressure: 225 psi at 20°C (68°F) 125 psi at 50°C (122°F)

Hose size	NPT size	Length (ft)	Part Number	Weight Each (lb)	
1/4" 1/4 1/4 1/4 3/8	1/4 " 1/4 1/4 1/4	10 15 25 50 25	G1712-025M44M10 G1712-025M44M15 G1712-025M44M25 G1712-025M44M50 G1712-038M44M25	0.5 lb 0.7 1.0 2.0 2.2	See Prices Online
3/8	1/4	50	G1712-038M44M50	4.0	



G1712

120216

## **JACK HAMMER & CONSTRUCTION**

**G222 MULTI-PURPOSE** traditional jack hammer assemblies are true rubber hoses. We offer them with crimped universal style couplings. Rated to -40°C.

Hose <u>size</u>	End Fitting	Length (ft)	Part Number	Weight Each (lb)	_			
Assemblies with crimped universal hose ends								

3/∡"	G25 Universal	50	G222-075U50	20.5	See
1	G25 Universal	50		26.5	Prices Online



**G223 CONSTRUCTION AIR** jack hammer assemblies are true rubber hoses with a high visibility cover. Available with crimped universal style couplings. Rated to -40°C.

Hose <u>size</u>	End Fitting	Length (ft)	Part Number	Weight Each (lb)				
Assemblies with crimped universal hose ends								
3/4″	G25 Universal	50	G223-075U50	20.5	See Prices Online			

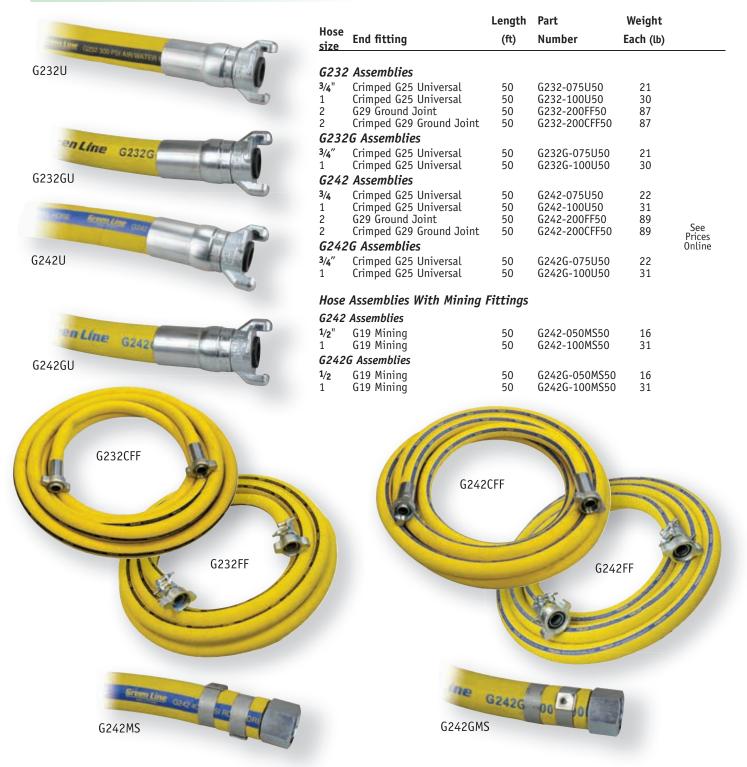




### G232 & G242 HOSE ASSEMBLIES

Hose assemblies that are commonly used in the construction and rental industries are provided here for easy ordering. Smaller sizes have crimped G25 two-lug universal fittings. Larger hoses are supplied with G29 ground joint stems with wing nuts attached with bolt clamps or crimped (G29 spud adapters must be ordered separately). Hoses commonly sold for mining applications with G19 stems and nuts are also listed. Other assembly configurations and lengths are available upon request.

G232 and G242 are our 300 psi and 400 psi traditional top sellers, with proven track records across Canada in mining, construction, and rental. They are tough, weather and sun resistant products that will give long service life. Rated to -40°C. G232G and G242G are designed to provide a more economical price point. Rated to -30°C.



### G221 & G222... MULTI-PURPOSE

G221 and G222 are versatile EPDM rubber air hoses. They are among our most popular hoses and find widespread use in industrial, agricultural, construction, and marine applications. G221 is a flexible and lightweight hose, while G222 is a more robust product. G221 and G222 both feature two-spiral reinforcement in sizes up to 3/8" and four-spiral reinforcement in sizes 1/2" and above. Multi-Purpose is used for air tools, nailers, staplers, jackhammers, and also as a hot or cold water washdown, heavy-duty heater, or low pressure agricultural spray hose. Because of its popularity, we offer Multi-Purpose on reels and in a variety of common assemblies. (See page 6 for assembly listings.)

Tube: Black, limited oil-resistant EPDM rubber.

**Reinforcement:** High-tensile spiralled yarn; two spirals in sizes up to 3/8" and four spirals in sizes 1/2" and above. **Cover:** Smooth, red, abrasion and weather resistant EPDM rubber.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F).

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Approx Reel Length	
1/4"	G221-025	0.49"	200 psi	0.08 lb	700 ft	
3/8	G221-038	0.69	200	0.15	700	
1/2	G221-050	0.81	200	0.25	700	
1/4 5/16 3/8 1/2 5/8	G222-025 G222-031 G222-038 G222-050 G222-063	0.50 0.58 0.69 0.84 1.00	250 300 250 250 250	0.08 0.09 0.15 0.25 0.30	250 or 700 700 250 or 700 250 or 700 700	See Prices Online
3/4	G222-075	1.15	250	0.38	250 or 700	
1	G222-100	1.37	200	0.51	250 or 700	
1 <b>1/4</b>	G222-125	1.75	200	0.81	500	
1 <b>1/2</b>	G222-150	2.00	200	0.84	400	
2	G222-200	2.55	200	1.28	300	

G221

G222

10

G234 air hose offers the widest range of service among our long-length air hoses. It is made from maximum oil-resistant rubbers to provide a fuel quality tube suitable for oil, diesel, and lubricating oils, as well as for air, water, and many chemicals. G234 is also electrically non-conductive, making it an ideal hose in smelters where electrical shock hazards exist.

## G234... PREMIUM NON-CONDUCTIVE

**Tube:** Black oil and fuel resistant, non-conductive nitrile class A rubber. Not recommended for use with unleaded gasoline. **Reinforcement:** Four spirals of high-tensile spiralled yarn.

**Cover**: Smooth, red, oil, abrasion and weather resistant non-conductive class A nitrile/PVC compound. **Temperature Range**: -29°C (-20°F) to 82°C (180°F).

I.D.	Part Number	0.D	Working Pressure	Weight per Foot	Approx Reel Length	
1/4"	G234-025	0.62"	300 psi	0.16 lb	700 ft	
3/8	G234-038	0.69	300	0.18	700	See
1/2	G234-050	0.84	300	0.25	700	Prices
3/4	G234-075	1.15	300	0.42	700	Online
1	G234-100	1.43	300	0.63	700	
1 <b>1/4</b>	G234-125	1.78	250	0.81	500	
1 <b>1/2</b>	G234-150	2.03	250	0.95	400	



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G234
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## PUSH-ON & HYBRID POLYMER AIR HOSE



Push-on hose, when used with push-on fittings, provides fast and neat hose assemblies without the use of clamps or ferrules. Because hoses can be assembled quickly and without tools, Push-on is popular for air lines on lumber sorters, newsprint handling equipment, and machinery production lines. Since the hose is resistant to most lubricating oils and hydraulic fluids, G103 is popular for hydraulic case drains and vent lines as well as general automotive service. Push-on makes a great shop air hose in oily environments.

Poly-Air was the first air hose that used specialty polymers to create a rubber-like feel. G922 has a large following in the construction trades for use with nailing and stapling equipment. Compared to similar rubber hoses, Poly-Air is lighter and smoother so it glides over surfaces easily and with less wear. Don't confuse genuine Poly-Air with knockoffs! The growth of this hose in the Canadian market has caused many competitors to try to copy it - without success! Look for the genuine product to appreciate the true quality of this hose.

#### G103... PUSH-ON

**Tube:** Smooth, black oil resistant Type A nitrile rubber. Not for use with gasoline or diesel fuels.

**Reinforcement:** Braided, high tensile synthetic textile cord. **Cover:** Smooth, oil resistant, MSHA flame resistant Class B modified nitrile rubber.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F) for normal service. For air up to 71°C (160°F) only.

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Approx. Reel Length	
G103 I	Black					
1/4"	G103-04	0.48"	300 psi	0.09 lb	300 ft	
3/8	G103-06	0.63	300 '	0.11	300	
1/2	G103-08	0.77	300	0.15	300	
5/8	G103-10	0.94	300	0.20	250	
3/4	G103-12	1.06	300	0.24	225	
G103	Blue					
1/4"	G103B-04	0.48	300	0.09	300	
3/8	G103B-06	0.63	300	0.11	300	
1/2	G103B-08	0.77	300	0.15	300 See Prices	
G103 (	Grow				Online	
1/4"	G103G-04	0.48	300	0.09	300	
3/8	G103G-06	0.63	300	0.11	300	
1/2	G103G-08	0.77	300	0.15	300	
3/4	G103G-12	1.06	300	0.24	225	
G103	Pod					
1/4"	G103R-04	0.48	300	0.09	300	
-/4 3/8	G103R-04	0.48	300	0.09	300	
1/2	G103R-08	0.03	300	0.11	300	
-/2 3/4	G103R-12			0.15	225	
3/4	G103K-12	1.06	300	0.24	220	

### G922... POLY-AIR®

**Tube:** Black, high molecular-weight, medium oil-resistant polymer compound.

**Reinforcement:** High-tensile spiralled polyester yarn with longitudinal cords to give added strength and reduce elongation. **Cover:** Smooth, abrasion and weather resistant, high molecularweight polymer compound.

**Temperature Range:** -25°C (-13°F) to 65°C (150°F).

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1/4"         G922-025         0.50"         300 psi         0.09 lb         500 ft           5/16         G922-031         0.63         300         0.13         500           3/8         G922-038         0.63         300         0.12         500	
	Soo
3/8 G922-038 0.63 300 0.12 500	See Prices
	Online
1/2 G922-050 0.81 300 0.19 500	

For popular pre-made factory assemblies, see page 4...

III

G923

In 1981 we introduced Poly-Air® to Canada from Japan, and it set the standard for flexibility in a PVC air hose. Today, it has been surpassed by North Wind, our first hybrid polymer hose rated for use at -54°C. North Wind has an amazingly supple and flexible feel at room temperature and in winter, when when most PVC hoses (and even some rubber ones) turn into rigid pipe, North Wind is still a flexible air hose.

## G923... NORTH WIND

**Tube:** Blue, medium oil-resistant, smooth, low-temperature PVC compound.

Reinforcement: High-tensile spiral polyester yarn.

**Cover:** Smooth, blue, abrasion and weather resistant, low-temperature hybrid polymer compound.

**Temperature Range:**  $-54^{\circ}C$  ( $-65^{\circ}F$ ) to  $65^{\circ}C$  ( $150^{\circ}F$ ).

<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	Weight per ft	Approx Reel Len	gth
1/4"	G923-025	0.50"	300 psi	0.08 lb	500 ft	See
3/8	G923-038	0.63	300	0.10	500	Prices
1/2	G923-050	0.78	300	0.15	500	Online



Our Premium Air Hose uses a special hybrid technology compound to give professional users the best all weather hose available. It is soft and supple so it lays out smooth and easy. Coiling up the hose at the end of the day is a breeze. Best of all, Green Line Premium Air Hose stays flexible on the coldest days, when other hoses become stiff as pipe.

### **G924... PREMIUM AIR HOSE**

**Tube:** Black, medium oil-resistant, smooth, low-temperature hybrid polymer.

Reinforcement: High-tensile spiral polyester yarn.

**Cover:** Blue with a green stripe, smooth, abrasion and weather resistant, low-temperature hybrid polymer.

**Temperature Range:** -54°C (-65°F) to 65°C (150°F).

I.D.	Part Number	0.D.	Working Pressure at 20°C	Weight per ft	Approx. Reel Lei	
3/8"	G924-038	0.63"	300 psi	0.10 lb	500 ft	See Prices Online

For popular pre-made factory assemblies, see pages 4 & 5...

## **POLYURETHANE & YELLOW AIR HOSE**



G1722B is an example of the breed of new polyurethane hoses. This hose is amazingly tough and puncture resistant, yet it weighs less than PVC hoses, and much less than rubber. The polyurethane compound is formulated to stay flexible down to -40°C, and it has excellent resistance to oils and solvents.

G1722B... REINFORCED POLYURETHANE HOSE Tube: Clear polyurethane. Reinforcement: High tensile strength yarn. Cover: Transparent polyurethane. Temperature Range: -40°C (-40°F) to 75°C (167°F).

I.D.	Part Number	0.D.	Working Pressure at 20°C	Weight per ft	Reel Length	
1/4" 3/8	G1722B-025 G1722B-038	0.375" 0.563	200 psi 200	0.04 lb 0.08	500 ft 500	See Prices Online

For popular pre-made factory assemblies, see page 6...

Yellow air hoses are found throughout the resource industries wherever the going gets really rough. We offer seven different yellow air hose types to fit different service requirements.

#### G223... CONSTRUCTION AIR

While principally designed for jackhammer and contractor use, G223 is also popular for washdown. G223 features a four spiral reinforcement and a smooth, bright yellow cover for high visibility. It has the advantage over most other yellow air hoses that it is available in long lengths on reels.

Tube: Black, oil-mist resistant EPDM rubber.

Reinforcement: High-tensile spiralled synthetic yarn.

**Cover:** Bright yellow, smooth, abrasion, and weather resistant EPDM rubber.

Temperature Range: -40°C (-40°F) to 100°C (212°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Approx. Reel Len	igth
1/2" 3/4	G223-050 G223-075	0.84" 1.15	300 psi 300	0.25 lb 0.37	600 ft 600	See Prices Online

For popular pre-made factory assemblies, see page 8...

<u>Green Line</u>

## G232... 300 PSI AIR/WATER

**Tube:** Smooth, black rubber compounded to resist oil laden compressed air.

Reinforcement: Multiple layers of spiralled textile cords.

**Cover:** Thick, yellow, cut, abrasion, and weather resistant rubber with wrapped finish.

**Temperature Range:** -40°C (-40°F) to 80°C (176°F).

G232 is a durable, flexible, highly kink-resistant hose. It is our standard, mandrel-built hose for use on jack-hammers, air tracks, and other air-operated equipment. G232 withstands the tough use hose receives in road construction, mines, and quarries.

It is also recommended for water washdown in abusive conditions found around docks, shipyards, and pulp and paper mills.

Most yellow air hose applications involve pressures under 300 psi, so G232 has been developed with 300 psi working pressures in all sizes. However, the hose is similar to many 400 psi hoses in performance and durability. And, for the stocking distributor, G232 offers a complete size range through 4" in a single hose style.

G232 300 PSI AIR/WATER HOSE

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1/2"	G232-050	0.79"	300 psi	0.28 lb	50 or 100 ft	
3/4	G232-075	1.06	300	0.40	50 or 100	
1	G232-100	1.42	300	0.59	50 or 100	See
1 <b>1/2</b>	G232-150	1.97	300	0.97	50 or 100	Prices
2	G232-200	2.56	300	1.44	50 or 100	Online
3 4	G232-300 G232-400	3.54 4.65	300 300	2.53 3.31	50 or 100 50 or 100	

### G232G... GENERIC 300 PSI AIR/WATER

By changing the construction method and modifying the rubber compounds, we can offer a very competitively priced plain yellow jackhammer hose. While this hose may not have the handling and weathering characteristics of our premium Green Line branded hoses, it does compare favorably to many similar hoses found in the market today.

**Tube:** Black SBR/EPDM blend rubber.

**Reinforcement:** Multiple layers of spiralled textile cords.

**Cover:** Yellow, cut, abrasion and weather resistant EPDM rubber.

Temperature Range: -30°C (-22°F) to 80°C (176°F)

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1/2"	G232G-050	1.00"	300 psi	0.28 lb	50 or 100 ft	See
3/4	G232G-075	1.16	300	0.42	50 or 100	See Prices
1	G232G-100	1.48	300	0.57	50 or 100	Online

For popular Yellow Air Hose Assemblies see page 9...

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## YELLOW AIR HOSE

Rock Drill is a heavy duty, mandrel-built hose. It is designed to give top performance in severe working conditions. While G242 is kink-resistant and very flexible, the cover is designed for extra abrasion resistance. Rock Drill is very popular in mines and heavy construction sites

## G242... ROCK DRILL

Tube: Smooth, black rubber compounded to resist oil laden compressed air.

**Reinforcement:** Multiple layers of spiralled textile cords.

**Cover:** Thick, yellow, cut, abrasion, and weather resistant rubber with wrapped finish and blue stripe.

Temperature Range: -40°C (-40°F) to 80°C (176°F).



I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Len <u>gth</u>	
1/2"	G242-050	0.89"	400 psi	0.30 lb	50 or 100 ft	
3/4	G242-075	1.18	400	0.42	50 or 100	
1	G242-100	1.50	400	0.61	50 or 100	
1 <b>1/4</b>	G242-125	1.83	400	0.85	50 or 100	See
1 <b>1/2</b>	G242-150	2.05	400	0.98	50 or 100	Prices Online
2	G242-200	2.60	400	1.45	50 or 100	Untille
2 <b>1/2</b>	G242-250	3.21	400	1.95	50 or 100	
3	G242-300	3.70	400	2.56	50 or 100	
4	G242-400	4.72	400	3.34	50 or 100	

By changing the construction method, and modifying the rubber compounds, Green Line G242G-075 400PSI AIR we can offer a very competitively priced plain yellow 400 psi air hose. While this hose may not have the handling and weathering characteristics of our Green Line G242 Rock Drill hose range, it does compare favorably to many similar hoses found in the market today.

G242G... GENERIC 400 PSI AIR/WATER

**Tube:** Black SBR/EPDM blend rubber.

Reinforcement: Multiple layers of spiralled textile cords.

> Cover: Yellow, cut, abrasion and weather resistant EPDM rubber.

Temperature Range: -30°C (-22°F) to 80°C (176°F)

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Length	
1/2" 3/4	G242G-050 G242G-075 G242G-100	1.00" 1.16 1.48	400 psi 400 400	0.30 lb 0.42 0.61	50 or 100 ft 50 or 100 50 or 100	See Prices Online

For popular Yellow Air Hose Assemblies see page 9...



Premium Rock Drill was specially developed for use where large amounts of air tool oil shorten the life of conventional air hoses. G243 is most often used on rock drilling equipment for road construction. Other than the specially formulated tube, G243 is similar in construction to our popular G242 Rock Drill Hose.

#### G243... PREMIUM ROCK DRILL

**Tube:** Smooth, black synthetic rubber blended for increased oil resistance.

**Reinforcement:** Multiple layers of spiralled textile cords.

**Cover:** Thick, yellow, cut, abrasion, and weather resistant rubber with wrapped finish and red layline.

Temperature Range: -40°C (-40°F) to 70°C (158°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
<b>3/4</b> " 1	G243-075 G243-100	1.16" 1.48	400 psi 400	0.33 lb 0.51	50 or 100 ft 50 or 100	See Prices
1 1 <b>1/2</b>	G243-150	2.01	400	0.75	50 or 100	Online
2	G243-200	2.62	400	1.13	50 or 100	

#### G252... HERCULES 500 AIR

Hercules is designed for the toughest applications. The carboxylated nitrile cover on Hercules provides abrasion resistance that is far superior to conventional rubber. In addition, G252 has an MSHA approved cover for underground mining and the hose is non-conductive. The tube will withstand oils and fats as well as kerosene and gasoline. Hercules makes a great whip hose for air tools and jack-hammers.

**Tube:** Black nitrile class A rubber with excellent oil and gasoline resistance.

Reinforcement: Four spirals of polyester yarn.

**Cover:** Yellow, cut, abrasion and weather resistant carboxylated class A nitrile/PVC blend rubber. MSHA approved

Temperature Range: -40°C (-40°F) to 100°C (212°F)

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Approx Reel Length	
1/2"	G252-050	0.91"	500 psi	0.24 lb	600 ft	See
3/4	G252-075	1.19	500	0.36	600	Prices
1	G252-100	1.50	500	0.51	400	Online

CONSISTER AN AGE CONSISTER OF C

Steel wire reinforced hoses are at the top of our standard air hose range. They are designed for the most severe applications where high working pressure, long life and maximum safety are desired. The high-tensile wire reinforcement gives G261 the ability to withstand the extreme abuse encountered in open-pit or underground mining, heavy construction, and rock quarries.

### G261... STEEL AIR

**Tube:** Smooth, black rubber compounded to resist oil laden compressed air.

Reinforcement: High tensile wire.

**Cover:** Thick, yellow, cut, abrasion, and weather resistant rubber with wrapped finish.

**Temperature Range:** -40°C (-40°F) to 70°C (158°F) **Note:** Wire braid air hoses should always be coupled using G29C interlocking bolt clamps.

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1/2"	G261-050	1.00"	1000 psi	0.38 lb	50 or 100 ft	
3/4	G261-075	1.22	750	0.50	50 or 100	
1	G261-100	1.50	675	0.62	50 or 100	<b>C</b>
11/4	G261-125	1.81	675	0.89	50 or 100	See Prices
11/2	G261-150	2.01	675	0.98	50 or 100	Online
2	G261-200	2.60	600	1.45	50 or 100	
21/2	G261-250	3.15	525	1.91	50 or 100	
3	G261-300	3.80	525	3.09	50 or 100	
4	G261-400	4.80	450	3.97	50 or 100	

Premium Steel Air has the same specially formulated tube compound as Premium Rock Drill. G263 has all of the features of G261 but with increased internal oil resistance.

### G263... PREMIUM STEEL AIR

**Tube:** Smooth, black synthetic rubber blended for increased oil resistance.

Reinforcement: High tensile wire.

**Cover:** Thick, yellow, cut, abrasion, and weather resistant rubber with wrapped finish.

Temperature Range: -40°C (-40°F) to 70°C (158°F)

**Note:** Wire braid air hoses should always be coupled using G29C interlocking bolt clamps.

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Length	
2"	G263-200	2.60"	600 psi	1.45 lb	50 or 100 ft	See Prices Online



Aii



Yellow Dragon represents a revolution in high pressure air hoses. A high-tenacity polyester reinforcement combined in a unique process with a special rubber polymer result in a hose tough enough to handle construction and resource applications. Yet this hose weighs half as much (or less) than conventional hoses and coils up flat when not in use. It is ideal for use where hose must be moved and man-handled on a regular basis. Plus, Yellow Dragon is suitable for handling low-aromatic petroleum products such as crude oil, diesel, and lubricating oils, making it ideal for oil spill cleanup.

### G1232... YELLOW DRAGON

**Construction:** G1232 is manufactured using a unique process which incorporates the inner tube, reinforcement, and outer cover into a single "solid wall" hose. The reinforcement, a seamless, woven, high-tenacity polyester, is embedded in yellow nitrile rubber. This gives the hose the same tough, oil and heat resistant properties inside and out.

**Temperature Range:** -30°C (- 22°F) to 70°C (158°F)

	Part		Working	Pressure	Weight	Standard	
I.D.	Number	0.D.	Air	Water	per ft	Length	
3/4"	G1232-075	0.95"	300 psi	400 psi	0.11 lb	50,100 or 200 ft*	
1	G1232-100	1.28	300	400	0.18	50,100,150 or 200	
1 <b>1/2</b>	G1232-150	1.78	225	300	0.37	50,100 or 200	See Prices
2	G1232-200	2.28	200	300	0.55	50,100 or 200	Online
3	G1232-300	3.32	175	250	0.78	50,100 or 200	
4	G1232-400	4.32	175	250	1.19	50,100 or 200	
						*	

\*Note: Longer lengths up to 300 ft may be available on request

Hot Air Blower is specifically designed to withstand the extreme temperatures encountered in conveying hot air from the compressor to the tank on dry bulk material trucks.

#### G270... HOT AIR BLOWER

**Tube:** Black, smooth, EPDM rubber compounded for maximum heat resistance.

**Reinforcement:** Double steel helix wire embedded between plies of spiralled textile cords.

**Cover:** Black, heat and weather resistant EPDM rubber with white stripe.

**Temperature Range:** -40°C (-40°F) to 150°C (302°F). Intermittent service to 175°C (347°F).

AT AN BLOWER HOSE

G1232

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Min. Bend Radius	Weight per ft	Standard Length	
2"	G270-200	2.48"	150 psi	12"	1.14 lb	100 ft	See Prices
3	G270-300	3.62	150	18	2.30	100	Online
4	G270-400	4.72	150	20	3.44	100	

Air

Note: When coupled with quick disconnect fittings, the use of a sleevelock coupler is required to minimize the risk of accidental disconnection.



G929 is used for air breathing lines and is designed to resist permeation of noxious gasses into the hose. The method of manufacture and compounds used ensure a solvent and silicone free hose with low odour. This hose has been tested and satisfies the "off-gassing tests" as described in U.S. Military specifications MIL-H-2815F Sections 3.12.2 and 4.5.10. G929 also has been tested in accordance with U.S. Mine Safety and Health Administration Regulations and has passed the gasoline permeation tests as described in 30CFR Part 11 Subpart J, 11.124-7. When suitably coupled with fittings, this hose satisfies the requirements for hose used on Type C Supplied-Air Respirators. A Type C respirator is for entry into and escape from atmospheres not immediately dangerous to life or health. It consists of a source of breathing air, a hose, a detachable coupling, a control valve, orifice, demand valve or pressure demand valve, and an arrangement for attaching the hose to the wearer and a face-piece, hood, or helmet.

**Note:** NIOSH only certifies complete breathing respirator systems, not hose assemblies alone.

### G929 & G929L... AIR BREATHING

**Tube:** Smooth, clear, low permeation, PVC, formulated with compounds sanctioned by USFDA under CFR Title 21 Parts 170-199 (non-phthalate plasticizer).

Reinforcement: High tensile polyester yarn.

**Cover:** Black, smooth, oil-resistant, PVC compound formulated with non-phthalate low temperature plasticizer.

Weight

Each

3.6 lb

7.1

14.1

3.6

7.1

14.1

3.6

7.1

14.1

See Prices Online

## Temperature Range:

Length

25 ft

50

100

25

50

100

25

50

100

1/4" & 3/8" ID's: -40°C (-40°F) to 65°C (150°F) 1/2"ID: -25°C (-13°F) to 65°C (150°F)

I.D.	Part Number	0.D.	Working Pressure	Weight per Foot	Coil Length
1/4"	G929L-025	0.59"	300 psi	0.13 lb	500 ft
3/8	G929L-038	0.72	300	0.17	300
1/2	G929-050	0.84	250	0.21	300

Part

Number

G929L-025M44M25

G929L-025M44M50

G929L-025M44M100

G929L-038M44M25

G929L-038M44M50

G929L-038M66M25

G929L-038M66M50

G929L-038M66M100

G929L-038M44M100



G929L Assembly

NPT

Size

1/4″

1/4

1/4

1/4

1/4

1/4

3/8

3/8

3/8

Hose

Size

1/4″

1/4

1/4

3/8

3/8

3/8

3/8

3/8

3/8

20



## **GARDEN & WASHDOWN HOSE ASSEMBLIES**



### EVERYTHING YOU WANT IN A GARDEN HOSE ...

A very soft, supple feel... unlike most garden hoses the hose coils and uncoils easily and completely. A drinking water safe hose, the tube is made of FDA approved, phthalate free materials. True cold weather flexibility, this hose will remain flexible even in the coldest weather. Stays flexible to -40°C (-40°F)

### G1033...PREMIUM WATER HOSE

0105	JFKLI11011	WAILK HUSL		
I.D.	Length (ft)	Part Number	Weight Each (lb)	
1/2"	25	G1033-050GHT25	4.5	
	50	G1033-050GHT50	8.0	
	75	G1033-050GHT75	12.0	6
	100	G1033-050GHT100	16.0	See Prices
5/8"	25	G1033-063GHT25	4.9	Online
	50	G1033-063GHT50	11.1	
	75	G1033-063GHT75	16.3	
	100	G1033-063GHT100	22.0	



## G1331... BLUE AQUA®

BLUE AQUA <sup>®</sup> has been a top seller for 25 years. This robust, kink resistant product coils well in cold weather and looks attractive after years of tough service. Rated to -25°C.

			Weight	
I.D.	Length (ft)	Part Number	Each (lb)	
1/2"	25	G1331-050GHT25	5.0	
	50	G1331-050GHT50	9.7	
	75	G1331-050GHT75	14.5	
	100	G1331-050GHT100	19.2	
5/8"	25	G1331-063GHT25	5.5	See
	50	G1331-063GHT50	10.7	Prices Online
	75	G1331-063GHT75	16.0	ontine
	100	G1331-063GHT100	21.2	
3/4"	25	G1331-075GHT25	7.5	
	50	G1331-075GHT50	14.7	
	75	G1331-075GHT75	22.0	
	100	G1331-075GHT100	29.2	

Note: Thermoplastic and PVC hoses soften when exposed to heat. For hot water applications, use rubber hose.

## **GARDEN & WASHDOWN HOSE ASSEMBLIES**







Ideal for residential irrigation, G300 slowly releases water throughout the hose directly into the soil delivering a consistent stream for efficient watering. The weather-resistant, 100% recycled flexible vinyl material allows this hose to be used above ground or buried and ensures water does not pool on top of the soil, but instead is absorbed at a steady rate.

			Weight	_
I.D.	Length (ft)	Part Number	Each(lb)	See Prices
5/8"	50	G300-063 GHT50	5.4	Online

#### G311... INDUSTRIAL WATER

INDUSTRIAL WATER is a traditional true synthetic rubber hose used everywhere by contractors and homeowners who want a real rubber product. The best choice for hot water applications. Rated to -40°C.

Lenath (ft)	Part Number	Weight Each (lb)	
25	G311-050GHT25	5.0	
50	G311-050GHT50	9.7	
75	G311-050GHT75	14.5	
100	G311-050GHT100	19.2	
25	G311-063GHT25	6.0	See
50	G311-063GHT50	11.7	Prices Online
75	G311-063GHT75	17.5	Untine
100	G311-063GHT100	23.2	
25	G311-075GHT25	8.5	
50	G311-075GHT50	16.7	
75	G311-075GHT75	25.1	
100	G311-075GHT100	33.2	
	25 50 75 100 25 50 75 100 25 50 75	50         G311-050GHT50           75         G311-050GHT75           100         G311-050GHT100           25         G311-063GHT25           50         G311-063GHT50           75         G311-063GHT50           75         G311-063GHT50           75         G311-063GHT50           75         G311-063GHT100           25         G311-063GHT100           25         G311-075GHT25           50         G311-075GHT25           50         G311-075GHT50           75         G311-075GHT50           75         G311-075GHT75	Length (ft)Part NumberEach (lb)25G311-050GHT255.050G311-050GHT509.775G311-050GHT7514.5100G311-050GHT0019.225G311-063GHT256.050G311-063GHT5011.775G311-063GHT7517.5100G311-063GHT7517.5100G311-063GHT7516.725G311-075GHT258.550G311-075GHT5016.775G311-075GHT7525.1



### G901Y... PRO WATER

PRO WATER is popular as a municipal hose with high visibility and lightweight construction.

**Note:** Thermoplastic and PVC hoses soften when exposed to heat. For hot water applications, use rubber hose.

	Leweth (ft)	David Marine have	Weight	
I.D.	Length (ft)	Part Number	Each (lb)	
1/2"	25	G901Y-050GHT25	2.9	
	50	G901Y-050GHT50	5.7	
	75	G901Y-050GHT75	8.5	
	100	G901Y-050GHT100	11.2	
5/8"	25	G901Y-063GHT25	3.5	See
	50	G901Y-063GHT50	6.7	Prices Online
	75	G901Y-063GHT75	10.0	Untille
	100	G901Y-063GHT100	13.2	
3/4"	25	G901Y-075GHT25	5.7	
	50	G901Y-075GHT50	11.2	
	75	G901Y-075GHT75	16.7	
	100	G901Y-075GHT100	22.2	

# **GOLF COURSE & RV HOSE ASSEMBLIES**



### G901G... GOLF COURSE HOSE

Golf courses sometimes prefer a green hose for their 1" assemblies that are often visible on the fairways. These hoses come fitted with 1" NPSM (straight pipe thread) male and female couplings.

I.D.	Length (ft)	Part Number	Weight Each (lb)	
1″	50	G901G-100NPS50	16.5	See Prices
1 - I	100	G901G-100NPS100	32.5	Online



G912 Assembly

## **G912... POTABLE WATER HOSE**

We offer our potable hose complete with solid machined brass garden hose couplings for fresh water refilling of boats and recreational vehicles.

			Weight	
I.D.	Length (ft)	Part Number	Each (lb)	
1/2"	25	G912-050GHT25	3.0	
	50	G912-050GHT50	5.7	See Prices
5/8"	25	G912-063GHT25	3.5	Online
	50	G912-063GHT50	6.7	

## STORM PRESSURE WASH ASSEMBLIES

#### PRESSURE WASH HOSE ASSEMBLIES

All of the hose assemblies shown here are factory made with male NPT end fittings and bend restrictors at each end. One male end is a swivel to prevent hose twisting except for the 119H steam cleaner hoses, which are solid at each end. For convenience we also sell hoses complete with quick couplings attached. Metric style hoses are available on special order, or we offer adapters that screw onto the male NPT fittings to convert them to Karcher style female threads.



I.D.	Length (ft)	Part Number	Working Pressure (psi)	Weight Each (lb)	
		by swivel NPT			
BLACK 3 <sub>/8</sub> "	25	119-06MLM25	4000	9	
-/8	25 50	119-06MLM25	4000 4000	9 13	
	100	119-06MLM100	4000	24	
	STORM	119-001101100	4000	24	
3/8"	25	119B-06MLM25	4000	9	
/0	35	119B-06MLM35	4000	10	
	50	119B-06MLM55	4000	10	See
	65	119B-06MLM65	4000	15	Prices Online
	75	119B-06MLM75	4000	19	
	100	119B-06MLM100	4000	24	
SUN S		1190-000100100	4000	24	
3/8"	25	119Y-06MLM25	3000	9	
~/0	50	119Y-06MLM50	3000	13	
	75	119Y-06MLM75	3000	19	
	100	119Y-06MLM100	3000	24	
		1191 0011211100	5000	24	
	STORM	1000 000000	<b>COOO</b>	~	
3/8"	25	129G-06MLM25	6000	9	
	50	129G-06MLM50	6000	15	
	75	129G-06MLM75	6000	21	
	100	129G-06MLM100	6000	29	
	ete with ( <i>STORM</i>	ST coupler set atta	ached		
<sup>3</sup> /8"	25	119-06CST25	4000	10	
	50	119-06CST50	4000	14	
	100	119-06CST100	4000	25	
BLUE S	STORM				
3/8"	25	119B-06CST25	4000	10	
	35	119B-06CST35	4000	11	See Prices
	50	119B-06CST50	4000	14	Online
	65	119B-06CST65	4000	16	
	75	119B-06CST75	4000	19	
	100	119B-06CST100	4000	25	
SUN S	TORM				
3/8"	25	119Y-06CST25	3000	10	
	50	119Y-06CST50	3000	14	
	75	119Y-06CST75	3000	20	
	100	119Y-06CST100	3000	25	
swivel	male 1/4"	Assemblies with o NPT	ne male <sup>1</sup> /4" NP	T and one	
	STORM				6.
	25	119B-04MLM25	4000	4	See Prices
1/4"			4000	8	Online
	50	119B-04MLM50			Untille
Note: Cl failure d	leaning solu of the seali	119B-04MLM50 Ition chemicals and h ng o-ring in swivel ma Id fittings at both er	eat may cause pre le fittings. As a re	mature	Untille
Note: Cl failure d users m <b>Carpet</b>	leaning solu of the sealing ay prefer so <b>Cleaning</b>	ition chemicals and h ng o-ring in swivel ma	eat may cause pre le fittings. As a re ads:	mature sult, some	Untille
Note: Ci failure d users m Carpet BLUE S	leaning solu of the sealin ay prefer so Cleaning STORM	ition chemicals and h ng o-ring in swivel ma lid fittings at both er Assemblies with so	eat may cause pre le fittings. As a re ads: lid male 1/4" NF	mature sult, some PT ends	
failure o users m Carpet	leaning solu of the sealing ay prefer so <b>Cleaning</b>	ition chemicals and h ng o-ring in swivel ma olid fittings at both er	eat may cause pre le fittings. As a re ads:	mature sult, some	See Prices

Combination Pressure Wash/Steam Cleaner Assemblies with solid male NPT both ends TEMPEST

I LPH LJI					
<sup>3</sup> /8"	50	119H-06MM50	4000/350	15	See
	100	119H-06MM100	4000/350	29	Prices Online

## WATER SUCTION HOSE ASSEMBLIES

### SUCTION HOSE ASSEMBLIES

Green Line suction hoses come complete with a female cam-lock and galvanized combination nipple attached with band clamps. We also offer our PVC Suction, EPDM/ Polyethylene Suction, and Heavy Duty Rubber Suction hoses complete with male and female cam-locks. For other lengths, styles, and fittings please consult the bulk hose section and the industrial fitting catalogue for prices or give us a call and we'll be happy to provide a quotation.

## Hose

### I.D. Length (ft) Part Number

Flexible, non-marking, and lightweight, G941K is our standard, general-purpose suction hose.

### G941K... PVC Suction (rated to -20°C)

1 <b>1/2</b> " 2 3 4 6	20 20 20 20 20	G941K-150CM20 G941K-200CM20 G941K-300CM20 G941K-400CM20 G941K-600CM20	See Prices Online
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### G941K... PVC Suction with C & E cam-locks

2"	20	G941K-200CE20
3	20	G941K-300CE20

G1341K is a premium EPDM suction hose formulated to stand up better in oily conditions.

### G1341K... EPDM/Polyethylene Suction (rated to -35°C)

1 <b>1/2"</b> 2 3 4	20 20 20 20	G1341K-150CM20 G1341K-200CM20 G1341K-300CM20 G1341K-400CM20 C1341K 600CM20	See Prices Online
6	20	G1341K-600CM20	

#### G1341KCE... EPDM/Polyethylene Suction with C & E cam-locks

2" 20 2 25 3 20 3 25 4 20 4 25 6 20	G1341K-200CE20 G1341K-200CE25 G1341K-300CE20 G1341K-300CE25 G1341K-400CE20 G1341K-400CE25 G1341K-600CE20	See Prices Online
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## WATER SUCTION HOSE ASSEMBLIES



Hose I.D. Length (ft) Part Number

Using a high molecular weight PVC, Blue Water can be used year-round for water suction lines in construction, rental, mining, and agricultural applications.

G941BW Blue Water Suction (rated to -40°C)
--

1 <b>1/2"</b> 2 3 4 6	20 20 20 20 20	G941BW-150CM20 G941BW-200CM20 G941BW-300CM20 G941BW-400CM20 G941BW-600CM20	See Prices Online
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G341 is the "traditional" suction hose still preferred by many users for heavy construction, municipal, dewatering, and mining applications. All 4" & 6" G341 Suctions Hose Assemblies come complete with crimped end fittings.

### G341... Heavy Duty Rubber Suction (rated to -40°C)

1 <b>1/2</b> "	20	G341-150CM20	
2	20	G341-200CM20	C
3	20	G341-300CM20	See Prices
4	20	G341-400CM20	Online
6	20	G341-600CM20	



#### G341CE... Heavy Duty Rubber Suction with C & E cam-locks

2"	20	G341-200CE20	
3	20	G341-300CE20	See
4	20	G341-400CE20	Prices Online
6	20	G341-600CE20	Untille



**G34SK Removable Strainer** 

Note: To include a strainer with your assembly, please see Section 2 of our Fittings Catalog to select the strainer best suited for your needs. For suctions hoses with male and female cam-locks, we offer our G34SK removable strainer.

#### Hose I.D. Length (ft) Part Number

## G971 Blue Lay-Flat Discharge (rated to -15°C)

Blue G971 is a lightweight, economical PVC Lay-Flat hose. End fittings are attached by band clamps.

1 <b>1/2</b> " 2 3 4 6	50 50 50 50 50	G971-150CE50 G971-200CE50 G971-300CE50 G971-400CE50 G971-600CE50	See Prices
1 <b>1/2</b>	100	G971-150CE100	Online
2	100	G971-200CE100	
3	100	G971-300CE100	
4	100	G971-400CE100	
6	100	G971-600CE100	

### G972 Red Lay-Flat Discharge (rated to -15°C)

Complete with band clamp attached end fittings, G972 incorporates higher-tensile fabric reinforcement to allow for greater working pressures than our G971.

1 <b>1/2</b> "	50	G972-150CE50	See
2	50	G972-200CE50	
3	50	G972-300CE50	
4	50	G972-400CE50	
6	50	G972-600CE50	
1 <b>1/2</b> 2 3 4 6	100 100 100 100 100	G972-150CE100 G972-200CE100 G972-300CE100 G972-400CE100 G972-600CE100	Prices Online

### G974 Heavy Wall Red Lay-Flat Discharge (rated to -15°C)

G974 provides a more heavy-duty option when compared to traditional PVC lay-flat hose. Wire-bound attached end fittings allow for maximum fitting retention.

2"	50	G974-200CE50	C
3	50	G974-300CE50	See Prices
4	50	G974-400CE50	Online

### G975 Green Phthalate-Free Lay-Flat Discharge (rated to -10°C)

G975 is our phthalate-free discharge hose option and is popular in municipalities with ground water regulations. End fittings are attached by band clamps.

2"	50	G975-200CE50	
3	50	G975-300CE50	See
4	50	G975-400CE50	Prices Online
6	50	G975-600CE50	ontine

### DISCHARGE HOSE ASSEMBLIES...

Discharge hoses are supplied with female and male aluminum cam-locks and come in 50 and 100 ft lengths. For other lengths, styles, and fittings please consult the bulk hose section and the industrial fitting catalogue for prices or give us a call and we'll be happy to provide a quotation.



G971 Assembly



G972 Assembly







G1372 Assembly



G1372NP Assembly



		1





## G1372 Black Dragon (rated to -37°C)

G1372 Black Dragon features "through-the-weave" construction and wire-bound attached end fittings to provide a long lasting discharge hose. Fire hose end fittings feature internal expansion attachment.

1 <b>1/2</b> "	50	G1372-150CE50	
2	50	G1372-200CE50	See
3	50	G1372-300CE50	Prices Online
4	50	G1372-400CE50	Untille
6	50	G1372-600CE50	

#### G1372 with Brass NPSH Fittings

1 <b>1/2</b> "	50 100	G1372-150B50
	100	G1372-150B100

### G1372 with Forestry Fittings

1 <b>1/2</b> "	50	G1372-150F50
	100	G1372-150F100

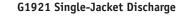
#### G1372 with Hard-coat Aluminum NPSH Fittings

1 <b>1/2</b> "	50	G1372-150NP50
	100	G1372-150NP100

## G373E High Pressure Rubber Discharge (rated to -30°C)

Complete with crimped end fittings, the EPDM construction of G373E allows improved resistance to chemicals and weathering compared to other rubber water discharge hoses in the market.

1 <b>1/2"</b> 2 3 4 6	50 50 50 50 50	G373E-150CE50 G373E-200CE50 G373E-300CE50 G373E-400CE50 G373E-600CE50	See Prices Online
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Complete with wire-bound attached end fittings, G1921 is traditionally a woven jacket fire hose that some customers prefer over our other discharge hoses.

2"	50 100	G1921-200CE50 G1921-200CE100	See Prices Online
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G1921 Assembly

G301 Utility Water is found in several markets under different "aliases". Its excellent temperature range, weathering resistance, and economic price make it a popular choice for many applications, such as car heater hose and dishwasher drain hose. Utility Water is most often sold in precut lengths in boxes for easy storage and dispensing. However, it is also available in long lengths on reels.

## G301... UTILITY WATER

**Tube:** Black, heat, and mild-chemical resistant EPDM rubber. **Reinforcement:** Two spirals of synthetic spiralled yarn **Cover:** Smooth, black, heat, abrasion and weather resistant EPDM rubber.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F) continuous, 125°C (257°F) intermittent.

G301

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Approx Reel Lengt	h
1/2" 5/8 3/4	G301-050 G301-063 G301-075	0.81" 0.88 1.03	50 psi 35 31	0.16 lb 0.20 0.23	700 ft 700 700	See Prices Online
Boxed	Lengths					
I.D.	Length	Part Nur	nber Weigh	nt Each		

I.D.	Length	Part Number	Weight Each	
1/2" 5/8 3/4	50 ft 50 50	G301-050X50 G301-063X50 G301-075X50	8.3 lb 10.3 11.8	See Prices Online
-/4	50	0301-073830	11.0	

G311 and G322 Industrial Water are rugged hoses capable of handling most washdown and water conveying applications. While G311 offers a lightweight, two-spiral construction, G322 is a four-spiral hose for extra kink resistance and working pressure. These hoses are also used for low-pressure agricultural spray applications.

## G311 & G322... INDUSTRIAL WATER

**Tube:** Black, heat, and mild-chemical resistant EPDM rubber. **Reinforcement:** Two or four spirals of synthetic spiralled yarn. **Cover:** Smooth, black, heat, abrasion and weather resistant EPDM rubber.

Temperature Range: -40°C (-40°F) to 100°C (212°F)

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Approx Reel Length	
3 / 11	6044 000	0.00		0.45.11		
3/8"	G311-038	0.69"	200 psi	0.15 lb	700 ft	
1/2	G311-050	0.81	150	0.19	700	
5/8	G311-063	0.93	150	0.23	750	
3/4	G311-075	1.15	150	0.33	700	See Prices
1	G311-100	1.37	150	0.41	700	Online
3/4	6222 075	1 1 5	200	0.40	700	
	G322-075	1.15	300	0.40		
1	G322-100	1.37	200	0.49	700	
1 <b>1</b> /4	G322-125	1.75	200	0.79	500	
1 <b>1/2</b>	G322-150	2.00	200	0.90	400	

\*Note: The 1500 ft box is a continuous length with both ends available for easy fitting attachment.



G221 and G222 are versatile EPDM rubber hoses. They are among our most popular hoses and find widespread use in industrial, agricultural, construction, and marine applications. G221 is a flexible and lightweight hose, while G222 is a more robust product. G221 and G222 both feature two-spiral reinforcement in sizes up to 3/8" and four-spiral reinforcement in sizes 1/2" and above. Multi-Purpose is used for air tools, nailers, staplers, jackhammers, and also as a hot or cold water washdown, heavy-duty heater, or low pressure agricultural spray hose.

## G221 & G222... MULTI-PURPOSE

**Tube:** Black, limited oil-resistant EPDM rubber. **Reinforcement:** High-tensile spiralled yarn; two spirals in sizes up to 3/8" and four spirals in sizes 1/2" and above. **Cover:** Smooth, red, abrasion and weather resistant EPDM rubber. **Temperature Range:** -40°C (-40°F) to 100°C (212°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Approx Reel Length	
1/4"	G221-025	0.49"	200 psi	0.08 lb	700 ft	
3/8	G221-038	0.69	200	0.15	700	
1/2	G221-050	0.81	200	0.25	700	
1/4 5/16 3/8 1/2 5/8	G222-025 G222-031 G222-038 G222-050 G222-063	0.50 0.58 0.69 0.84 1.00	250 300 250 250 250	0.08 0.09 0.15 0.25 0.30	250 or 700 700 250 or 700 250 or 700 700	See Prices Online
<b>3/4</b>	G222-075	1.15	250	0.38	250 or 700	
1	G222-100	1.37	200	0.51	250 or 700	
1 <b>1/4</b>	G222-125	1.75	200	0.81	500	
1 <b>1/2</b>	G222-150	2.00	200	0.84	400	
2	G222-200	2.55	200	1.28	300	

G911... VINYLITE®

PHTHALATE

1111

FREE

**Tube:** Clear, slightly blue tinted PVC that is formulated with ingredients in compliance with FDA, USDA, 3A, and California Proposition 65 requirements. Phthalate free.

**Reinforcement:** High-tensile spiralled polyester yarn with two blue longitudinal tracers to identify the hose as food grade.

**Cover:** Smooth, clear with a blue tint, abrasion and weather resistant PVC, that is certified to FDA standards.

Temperature Range: -5°C (23°F) to 65°C (149°F).

Vinylite<sup>®</sup> hose is extremely versatile. Its clear, non-toxic tube makes it an excellent choice for marine drinking water lines, juice and beverage dispensing, potable water supply, or in food processing applications. G911 is crystal-clear so operators can see through the hose to detect flow or product blockages. The hose is also resistant to mild acid and alkali solutions. These features make Vinylite® hose ideal for many industrial applications such as light-duty air, potable water, feed lines on carpet-cleaning equipment, vacuum lines on packaging machinery, and pneumatic lines on air-operated equipment.

G221 & 222

I.D.	Part Number	0.D.	Workin at 20°C	ig Pressure at 50°C	Weight per ft	Coil Length	
1/8"	G911-013	0.33"	350 psi	200 psi	0.04 lb	300 ft	
3/16	G911-019	0.38	250	150	0.06	300	
1/4	G911-025	0.44	250	150	0.06	100 or 300	
5/16	G911-031	0.53	250	135	0.08	300	
3/8	G911-038	0.59	225	125	0.09	100 or 300	See
1/2	G911-050	0.75	200	100	0.13	100 or 300	Prices Online
5/8	G911-063	0.89	200	100	0.18	200	ontine
3/4	G911-075	1.03	150	85	0.22	100 or 200	
1	G911-100	1.30	125	75	0.30	100 or 200	
1 <b>1/4</b>	G911-125	1.62	100	55	0.45	100	
1 <b>1/2</b>	G911-150	1.94	100	50	0.64	100	
2	G911-200	2.49	75	35	0.99	100	

### G910... CLEAR BRAID

G910 clear braid is similar to G911 Vinylite hose and is made with FDA approved compounds and is approved for use in USDA meat and poultry applications. However G910 clear braid does not have the additional certifications such as 3A, NSF, and Prop 65 approvals that G911 does. G910 has slightly lower working pressures, is made in Japan, and is stocked primarily for industrial applications. We have added this product because it offers substantial savings compared to our premium G911 Vinylite product. **Tube:** Clear, slightly blue tinted PVC that is formulated with ingredients in compliance with FDA standards under CFR Title 21, part 170-199.

Reinforcement: Spiralled polyester yarn.

**Cover:** Smooth, clear with a blue tint, abrasion and weather resistant PVC, that is certified to FDA standards.

**Temperature Range:** -5°C (23°F) to 65°C (149°F).

G910

Vate

I.D.	Part Number	0.D.	Working Pressure at 20°C	Weight per ft	Coil Length	
<sup>1</sup> /4"	G910-025	0.47″	200 psi	0.07 lb	300 ft	
<sup>3</sup> /8	G910-038	0.63	200	0.11	300	500
1 <sub>/2</sub>	G910-050	0.75	200	0.13	300	See Prices
3/4	G910-075	1.03	150	0.20	300	Online
1	G910-100	1.31	125	0.32	100	

G912 is primarily designed for hot and cold pressurized drinking water lines on boats. The hose features an opaque white tube which reduces algae growth in cold water lines. The cover is clear and has a blue tracer. When coupled with garden hose fittings, it is used for recreational vehicle and dockside water refilling.

## G912.... REINFORCED VINYL HOSE

**Tube:** White food grade quality PVC that is certified to FDA standards.

**Reinforcement:** High tensile spiraled polyester yarn with blue tracer.

**Cover:** Smooth, clear with a blue tint, abrasion and weather resistant PVC, that is certified to FDA standards.

**Temperature Range:** -5°C (23°F) to 65°C (149°F).

	Part		Workir	ng Pressure	Weight	Standard	
<u>I.D.</u>	Number	0.D.	at 20°C	at 50°C	per ft	Length	
1/2"	G912-050	0.69"	150 psi	60 psi	0.11 lb	50 or 300 ft	
5/8	G912-063	0.85	125	50	0.13	50 or 200	See
3/4	G912-075	0.99	100	40	0.17	50 or 200	Prices Online

## **POTABLE WATER HOSE**

**Pureflex**<sup>®</sup> is designed for use where water main service is disrupted and temporary bypass hoses are used to supply drinking water to homes and businesses. The tube compound meets the toughest standards for potable water applications and will not transfer an odor or taste to the water. In addition, the tube in G1031 is less porous than rubber, and therefore is easier to flush and clean after use and prior to re-use. The heavy-duty construction limits kinking in hot weather and provides extra resistance to external wear and abuse.

For filling tankers with potable water from fire hydrants, we stock a food grade fire hose. See g1942bp in the fire hose section.



Wate

# G1031... PUREFLEX®

## HIGH PURITY POTABLE WATER BY-PASS HOSE

**Tube:** Smooth, white, silicone and phthalate free PVC compound that complies with FDA (CFR title 21, parts 170-199), NSF-61, and California Proposition 65.

Reinforcement: Spiral layers of high tensile yarn.

**Cover:** Smooth, blue, abrasion and weather resistant PVC compound.

**Temperature Range:** -25°C (-13°F) to 65°C (150°F).



					)		
<u>I.D.</u>	Part Number	0.D.	5	Pressure at 50°C	Weight per ft	Coil Length	
3/4"	G1031-075	1.13"	250 psi	110 psi	0.33 lb	500 ft	See Prices Online

### EVERYTHING YOU WANT IN A GARDEN HOSE ...

A very soft, supple feel... unlike most garden hoses the hose coils and uncoils easily and completely. A drinking water safe hose, the tube is made of FDA approved, phthalate free materials. True cold weather flexibility, this hose will remain flexible even in the coldest weather. Stays flexible to -40°C (-40°F).

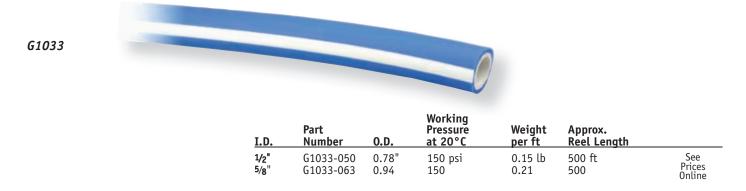
### G1033... PREMIUM WATER HOSE

**Tube:** White, food grade, phthalate free, smooth, low-temperature hybrid polymer.

Reinforcement: High-tensile spiral polyester yarn.

**Cover:** Blue with a white stripe, smooth, abrasion and weather resistant, low-temperature hybrid polymer.

Temperature Range: -40°C (-40°F) to 65°C -150°F.



Pro Water hose is designed for irrigating municipal parks, golf courses, and nurseries. The bright yellow cover helps discourage theft and contrasts with green grass so that maintenance crews can easily spot the hose. Pro Water is popular as an economical, non-marking, wash-down hose around pools and playgrounds and for irrigation systems in greenhouses. For lower pressure irrigation service see also G900G unreinforced colored tubing.

## G901Y... PRO WATER

Tube: Smooth, black high-quality PVC.

Reinforcement: Spiralled synthetic yarn.

**Cover**: Smooth, bright yellow, abrasion and weather resistant, high quality PVC.

**Temperature Range:** -5°C (23°F) to 65°C (149°F)

G9	01	Y

	Part		Working F	ressure	Weight	Standard	
I.D.	Number	0.D.	at 20°C	at 50°C	per ft	Length	
1/2"	G901Y-050	0.69"	125 psi	50 psi	0.11 lb	300 ft	
5/8	G901Y-063	0.81	125	50	0.13	300	See
3/4	G901Y-075	0.97	125	40	0.22	100 or 200	Prices Online
1	G901Y-100	1.28	125	40	0.32	100 or 200	ontine

Blue Aqua is an industrial water hose which has the strength and feel of rubber, yet the flexibility and durability of PVC. The hose is specially formulated to provide users with a long-lasting, tough, yet attractive looking premium product. This kink-resistant, high-pressure water hose is used in industrial plants, nurseries, greenhouses, farms and municipal parks. All-season Blue Aqua is also ideally suited for the residential market. Its non-marking, attractive cover makes it excellent for use around pools, marinas, and resorts. It is also ideal for watering lawns and gardens. **Tube:** Black, seamless PVC tube specially formulated to provide moderate resistance to oils and mild chemicals, as well as good low temperature flexibility.

#### G1331... BLUE AQUA®

Reinforcement: High-tensile spiralled polyester yarn

**Cover**: Blue, smooth, non-marking thermoplastic compounded to resist abrasion, weather, sunlight, ozone, and mild chemicals as well as good low temperature flexibility.

Temperature Range: -25°C (-13°F) to 65°C (149°F)

	Part		Working P	ressure	Weight	Standard	
I.D.	Number	0.D	at 20°C	at 50°C	per ft	Length	
1/2"	G1331-050	0.78"	300 psi	180 psi	0.19 lb	300 ft	See
5/8	G1331-063	0.91	300	125	0.21	300	Prices
3/4	G1331-075	1.12	300	100	0.29	300	Online



White Wash-Up is designed for hot water and low-pressure steam in open-ended washdown service to maintain sanitary conditions in food processing areas. G322W is lightweight and easy to handle, and the cover is non-marking. Extended exposure to very greasy conditions (animal fats) will cause cover swelling and reduce hose life.

## G322W... WHITE WASH-UP

Tube: Black, smoooth, heat resistant EPDM rubber.

Reinforcement: Four spiral layers of high-tensile synthetic yarn.

**Cover:** Smooth, white, abrasion and heat resistant EPDM rubber. Temperature Range: -40°C (-40°F) to 82°C (180°F) at full

working pressure or up to 95°C (203°F) at 50 psi maximum.

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Approx Reel Length	
1/2" 3/4	G322W-050 G322W-075	0.91" 1.25	250 psi 200	0.29 lb 0.50	700 ft 600	See Prices Online

Premium Wash-Up has a heavy, plied construction that gives it superior kink resistance while maintaining good flexibility. The white, non-marking cover makes it popular in dairies, food processing plants, meat packing plants, and wherever hot water is required for clean-up.

## G324W... PREMIUM WASH-UP

Tube: White heat resistant rubber.

**Reinforcement:** Multiple layers of spiralled textile cords.

STEER LINE G324W PREMIUM WASH-UP Cover: Thick, white, abrasion and heat resistant rubber with wrapped finish.

Temperature Range: -40°C (-40°F) to 95°C (203°F)

Fittings: Long shank fittings are recommended for this hose.

G324W

G322W

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1/2"	G324W-050	0.91"	150 psi	0.25 lb	50 or 100 ft	See
3/4	G324W-075	1.26	150	0.43	50 or 100	Prices
1	G324W-100	1.50	150	0.54	50 or 100	Online

<u>Green L</u>

G232 is a durable, flexible, highly kink-resistant hose. It is our standard, mandrel-built hose for use on jack-hammers, air tracks, and other air-operated equipment. G232 withstands the tough use hose receives in road construction, mines, and quarries.

GESS 300 PSI AIR/WATER HOSE

It is also recommended for water washdown in abusive conditions found around docks, shipyards, and pulp and paper mills.

Most yellow air hose applications involve pressures under 300 psi. So G232 has been developed with 300 psi working pressures in all sizes. However, the hose is similiar to many 400 psi hoses in performance and durability. And, for the stocking distributor, G232 offers a complete size range through 4" in a single hose style.

### G232... 300 PSI AIR/WATER

**Tube:** Smooth, black rubber compounded to resist oil laden compressed air.

**Reinforcement:** Multiple layers of spiralled textile cords.

**Cover:** Thick, yellow, cut, abrasion, and weather resistant rubber with wrapped finish.

**Temperature Range:** -40°C (-40°F) to 80°C (176°F).

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1/2"	G232-050	0.79"	300 psi	0.28 lb	50 or 100 ft	
3/4	G232-075	1.06	300	0.40	50 or 100	See Prices
1	G232-100	1.42	300	0.59	50 or 100	
1 <b>1/2</b>	G232-150	1.97	300	0.97	50 or 100	Online
2	G232-200	2.56	300	1.44	50 or 100	
3	G232-300	3.54	300	2.53	50 or 100	
4	G232-400	4.65	300	3.31	50 or 100	

### G232G... GENERIC 300 PSI AIR/WATER

By changing the construction method and modifying the rubber compounds, we can offer a very competitively priced plain yellow jackhammer hose. While this hose may not have the handling and weathering characteristics of our premium Green Line branded hoses, it does compare favorably to many similar hoses found in the market today.

Tube: Black SBR/EPDM blend rubber.

**Reinforcement:** Multiple layers of spiralled textile cords.

**Cover:** Yellow, cut, abrasion and weather resistant EPDM rubber.

Temperature Range: -30°C (-22°F) to 80°C (176°F)

	Part		Working	Weight	Standard	
I.D.	Number	0.D.	Pressure	per ft	Length	
1/2"	G232G-050	1.00"	300 psi	0.28 lb	50 or 100 ft	500
3/4	G232G-075	1.16	300	0.42	50 or 100	See Prices
1	G232G-100	1.48	300	0.57	50 or 100	Online

AIR HOSE 3/4" W.P. 300 PSI

## G329... PAPERMILL WASHDOWN

Tube: Black, heat resistant, EPDM rubber.Reinforcement: Multiple layers of spiralled textile cords.Cover: Green, abrasion, heat, and chemical resistant EPDM rubber.

Temperature Range: -40°C (-40°F) to 100°C (212°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
3/4"	G329-075	1.26"	150 psi	0.43 lb	50 ft	See Prices
1 11/4	G329-100 G329-125	1.50 1.73	150 150	0.53 0.65	50 50	Online

Green Line G329 PAPERMILL MARK

Papermill Washdown is manufactured with an 18" long, built-in tapered nozzle to assure a good stream for open-ended washdown. Because the nozzle is all rubber and built right in, G329 can be used around machinery without the risk of damage to surfaces or parts that metal fittings or nozzles could cause. When designing a papermill hose the primary consideration is kink resistance so that flow will not be cut off when operators are climbing over catwalks and around tight corners during machinery washdown. G329 Papermill Washdown is built with a thick hose wall and offers the optimum balance between kink resistance and weight. The hose is made with EPDM rubber, for maximum resistance to heat and aging.

# **PRESSURE WASH HOSE**



We stock a variety of pressure wash styles to suit different needs:

**119B... 4000 psi BLUE STORM** is our most popular hose and is used widely for carpet cleaning and pressure wash applications. The smooth blue cover stays clean and the hose is rated for use with water up to 120°C (248°F).

**119... 4000 psi BLACK STORM** is a black, smooth cover hose with the same features as 119B and rated for use with water up to 120°C (248°F).

**119Y... 3000 psi SUN STORM** has an extremely durable yellow cover. It resists animal fats and lasts 4 times longer in abrasion tests compared to standard hoses. 119Y is rated for use with water up to 120°C (248°F).

**129G... 6000 psi GREY STORM** features two wire braids for increased working pressure and longer lifespan and is rated for use with water up to 155°C (311°F).

**119H... TEMPEST** doubles as both a pressure wash hose and a steam cleaner hose and is rated for use with water up to 155°C (311°F), or for steam cleaner applications with steam up to 350 psi and 163°C (325°F).

<u>I.D.</u>	Part No.	0.D.	Working Pressure	Bend Radius	Weight per ft	Approx. Reel Length	
1/4" 3/8" 3/8" 3/8" 3/8"	119B-04 119B-06 119-06 119Y-06 129G-06	0.53" 0.68 0.68 0.68 0.69	4000 psi 4000 4000 3000 6000	4.0" 5.0 5.0 2.5 3.5	0.16 lb 0.22 0.22 0.22 0.22 0.27	300 ft 300 300 300 300 300	See Prices Online
<sup>3</sup> /8" 1/2"	119H-06 119H-08	0.69 0.83	4000/350 2500/350	5.0 5.0	0.28 0.57	300 300	

# SEWER CLEANER HOSE



Weiaht Part I.D. Length Number Each 2500 psi Orange 3/4" 500 ft 184SC-12X500 181 lb 1 600 184SC-16X600 285 See Prices Online 3000 psi Blue <sup>1</sup>/2" 500 185SC-08X500 115 3/4 185SC-12X500 185SC-16X600 500 186 1 600 291

Piranha® hose is constructed from materials selected to provide rugged and reliable service under even the most severe and demanding conditions found in high pressure sewer cleaning. A polyether-urethane cover provides exceptional cut, abrasion and fungus resistance. Tube, reinforcement, and cover layers are bonded together to maximize fitting retention and extend operation life.

Piranha<sup>®</sup> hose cover colors conform to industry standards for maximum operating pressure ratings. All Piranha<sup>®</sup> factory assembled hoses are 100% pressure tested before shipping. Standard hose lengths come on reels with male NPT fittings installed.

# 184SC & 185SC... PIRANHA® SEWER CLEANING HOSE

**Tube:** Smooth polyolefin designed for maximum resistance to hydrolysis

**Reinforcement:** High tensile polyester textile yarn.

**Cover:** Abrasion, cut, and fungus resistant ether based polyurethane. Orange for 2500 psi, blue for 3000 psi, green for 4000 psi.

**Temperature Range for <sup>1</sup>/8" through <sup>3</sup>/16":** -40°C (-40°F) to 71°C (160°F).

Temperature Range for 1/4" through 1/2": -40°C (-40°F) to 87°C (190°F).

Temperature Range for 3/4" through 1": -40°C (-40°F) to 65°C (150°F).

Couplings: Factory installed male NPT fittings.

## 186SC... SMALL DIAMETER PIRANHA® SEWER CLEANING HOSE



<u>I.D.</u>	Part Number	0.D.	Working Pressure	Bend Radius	Weight per ft	Max Length	
1/8" 3/16 1/4 3/8 1/2	186SC-02 186SC-03 186SC-04 186SC-06 186SC-08	0.32" 0.41 0.50 0.65 0.83	4000 psi 4000 4000 4000 4000	1.3" 1.8 2.5 3.0 4.0	0.04 lb 0.05 0.06 0.11 0.16	500 ft 500 500 500 500 500	See Prices Online



Note: Piranha<sup>®</sup> Slither Cover hose available on special order. Please contact us for more information. For sewer cleaner and jetting fittings, see Section 6 of our Industrial Fittings Catalog.



Water Blast hose is often found in hydro-demolition (concrete breaking using water instead of a jackhammer). It is also used for cleaning large tanks, heat exchangers and pipes, as well as for removing marine growth on ships and piers. Since only water is used in the work, rather than chemicals or abrasives, water jetting is an environmentally friendly method of cleaning and surface preparation.

# 153, 154 & 155... WATER BLAST HOSE

**Tube:** Smooth, black, heat and oil resistant synthetic rubber. **Reinforcement:** Four or six layers of high tensile steel spiral wire.

**Cover:** Black, ozone and weather resistant synthetic rubber with a wrapped finish.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F). **Couplings:** Factory installed special water blast fittings.

I.D.	Part Number	0.D.	Working Pressure	Bend Radius	Weight per ft	
1/2"	154-08	1.03"	15000 psi	9"	0.75 lb	See
1/2	155-08	1.14	21000	10	1.25	See Prices Online
3/4	153-12	1.26	10000	11	1.10	Untille
1	153-16	1.53	10000	14	1.46	



## WATER BLAST HOSE ASSEMBLIES

We stock pre-made 10,000, 15,000, and 21,000 psi water blast hose assemblies. All assemblies are tested to  $1^{1/2}$ times working pressure before leaving our facilities and are fitted with special male NPT threaded fittings on assemblies rated up to 15,000 psi and type "M" female DIN swivel fittings on assemblies rated to 21,000 psi. Standard hoses are shown below but other lengths are available on special order.

<u>I.D.</u>	Length	Part Number	Fittings	Working Pressure	Weight Each	
1/2"	10 ft	154-08MM10	Male NPT	15000 psi	11.0 lb	
1/2	20	154-08MM20	Male NPT	15000	20.0	
1/2	25	154-08MM25	Male NPT	15000	24.5	See
1/2	30	154-08MM30	Male NPT	15000	29.0	Prices
1/2	40	154-08MM40	Male NPT	15000	38.0	Online
1/2	50	154-08MM50	Male NPT	15000	47.0	
1/2	75	154-08MM75	Male NPT	15000	69.5	
1/2	100	154-08MM100	Male NPT	15000	92.0	
1/2	50	155-08DIN50	Type M Female DIN Swivel	21000	65.0	
<b>3/4</b> 3/4 1	25 50 50	153-12MM25 153-12MM50 153-16MM50	Male NPT Male NPT Male NPT	10000 10000 10000	30.0 57.0 77.0	



Please Note: All Water Blast hose assemblies, including custom assemblies, must be tested to  $1^{1/2}$  times working pressure before leaving our facilities at a cost of \$69.00 per assembly.

There are a wide variety of water suction hoses available today. The correct selection will be determined by such things as the severity of use, operating temperatures, and working conditions. For example, for portable fire-fighting, users may choose a very light-weight and tight coiling hose. In a rock quarry the emphasis may be more on durability and abrasion resistance.

In addition there are several very specialized food grade or material transfer hoses that function well for water suction. Please refer to the Food and Material Transfer Sections. This is our standard, general-purpose suction and discharge hose. It is flexible, lightweight, non-marking, and resistant to mild chemical solutions. These features make G941K & H ideal for many applications including general pump suction, washdown (3/4" - 1 1/2"), marine bilge pumping, irrigation lines, agricultural air seeder, and liquid fertilizer transfer. Green/clear G941K is commonly used in the rental, construction and marine industries, while white/clear G941H is more popular in agricultural markets.

# G941K & G941H... PVC SUCTION

**Construction**: Clear, flexible PVC, embedded with a dark green or white rigid PVC helix.

**Interior**: Smooth, abrasion and mild chemical resistant PVC. **Exterior**: Abrasion, weather, and chemical resistant PVC that is smooth in sizes through 4", and slightly corrugated for increased flexibility in 6" size.

Temperature Range: -20°C (- 4°F) to 55°C (130°F)

G941H

G941K

	Part	Number		Worki	ing Pressure	Vacuum	Bend	Weight	Standard	
I.D.	Green Helix	White Helix	0.D.	20°C	40°C	Rating 20°C	Radius	per ft	Length	
<sup>3</sup> /4"	G941K-075	G941H-075	0.94"	110 psi	70 psi	28" Hg	3"	0.17 lb	100 ft	
1	G941K-100	G941H-100	1.26	85	60	28	3	0.22	100	
1 <sup>1</sup> /4	G941K-125	G941H-125	1.51	85	60	28	4	0.32	100	See
1 <sup>1</sup> /2	G941K-150	G941H-150	1.76	70	50	28	5	0.36	100	Prices Online
2	G941K-200	G941H-200	2.32	65	45	28	7	0.61	100	ontine
$2^{1}/2$	G941K-250	G941H-250	2.87	65	45	28	8	0.82	100	
3	G941K-300	G941H-300	3.41	65	40	28	10	1.09	100	
4	G941K-400	G941H-400	4.55	55	35	28	15	1.91	100	
5	N/A	G941H-500	5.58	45	30	28	22	2.42	100	
6	G941K-600	G941H-600	6.75	40	25	28	30	3.35	20,40,60 or 100	

NOTE: For Air Seeder applications, we also carry G941BLK (clear with black helix) and G941BG (all black) in 1", 11/4" & 21/2" sizes.

Water

G941BW

G941BW is manufactured using high molecular weight PVC that stays flexible at sub zero temperatures. Most PVC hoses become stiff when used in winter conditions, but Blue Water can be used year-round for water suction lines in construction, rental, mining, and agricultural applications. An advantage of G941BW over many EPDM rubber hoses is that it is resistant to degradation in oily conditions. While this hose is not designed for oil applications, PVC offers good oil resistance at moderate temperatures.

## **G941BW... BLUE WATER SUCTION**

**Construction:** Clear, flexible, high molecular weight **VC** supported by a rigid blue PVC helix.

**Interior:** Smooth, abrasion and mild chemical resistant PVC

**Exterior:** Smooth, abrasion, weather, and mild chemical resistant PVC

**Temperature Range:** -40°C (-40°F) to 65°C (150°F)

I.D.	Part Number	0.D.	Working 20°C	g Pressure 40°C	Vacuum Rating at 20°C	Bend Radius	Weight per ft	Standard Length	
3/4"	G941BW-075	0.94"	115 psi	75 psi	29" Hg	3"	0.19 lb	100 ft	
1	G941BW-100	1.26	90	65	29	3	0.22	100	
1 <b>1/4</b>	G941BW-125	1.51	90	65	29	4	0.36	100	
1 <b>1/2</b>	G941BW-150	1.79	90	65	29	5	0.48	100	See Prices
2	G941BW-200	2.38	90	65	29	7	0.62	100	Online
2 <b>1/2</b>	G941BW-250	2.87	70	48	29	8	0.87	100	
3	G941BW-300	3.44	65	45	29	10	1.23	100	
4	G941BW-400	4.57	55	40	29	15	1.83	100	
5	G941BW-500	5.57	45	30	28	25	2.42	20 or 100	
6	G941BW-600	6.77	40	25	28	30	3.36	20 or 100	



Multi-Purpose Transfer is designed for applications where high flexibility is required in a durable hose. G941W is popular for herring, salmon, and groundfish transfer on fish pumps. It is also excellent for conveying ice, wood shavings, and PVC pellets.

The flexible PVC portion is clear on all sizes so that hose contents are visible. In sizes 4" and up, a high molecular compound is used to provide increased wear and cold temperature flexibility.

FRFE

#### G941W... MULTI-PURPOSE TRANSFER

**Construction**: Clear, flexible PVC, supported by a thick, grey, rigid PVC helix.

Interior: Smooth, abrasion and mild chemical resistant PVC.

**Exterior:** Corrugated, abrasion, weather, and chemical resistant PVC.

Temperature Range for Sizes 1" through 3": -20°C (-4°F) to 65°C (150°F).

Temperature Range for Sizes 4" through 12": -40°C (-40°F) to 65°C (150°F).

G941W

	Supervision				alle	9				
I.D.	Part Number	0.D.	Working I 20°C	Pressure 40°C	Vacuum 20°C	Rating 40°C	Bend Radius	Weight per ft	Standard Length	
1"	G941W-100	1.30"	55 psi	35 psi	29" Hg	28" Hg	1"	0.21 lb	100 ft	
11/4	G941W-125	1.60	50	30	29	28	2	0.28	100	
1 <b>1/2</b>	G941W-150	1.85	50	30	29	28	2	0.34	100	See
2	G941W-200	2.40	50	30	29	28	3	0.52	100	Prices Online
21/2	G941W-250	3.07	45	25	29	28	4	0.77	100	ontine
3	G941W-300	3.64	45	25	29	28	6	1.17	100	
4	G941W-400	4.76	35	18	29	28	8	1.92	100	
5	G941W-500	5.75	35	18	28	25	12	2.41	100	
6	G941W-600	7.00	30	15	28	25	14	3.75	Multiples	
8	G941W-800	9.18	30	15	28	25	24	5.97	of 10 ft	
10	G941W-1000	11.56	25	12	28	25	39	9.73	Multiples	
12	G941W-1200	13.64	20	10	28	25	59	12.74	of 10 ft	



G941WS incorporates a polyester fabric braid for applications requiring a greater working pressure than suction hoses reinforced with a spiral helix only.



# G941WS... FABRIC REINFORCED TRANSFER

**Construction:** Clear, flexible PVC, supported by an orange helix and a braided reinforcement.

**Tube:** Smooth, abrasion and mild chemical resistant PVC. **Reinforcement:** Orange PVC helix plus one braid of polyester yarn.

 $\ensuremath{\textbf{Cover:}}$  Corrugated, abrasion resistant PVC with soft PVC between.

Temperature Range: -20°C (-4°F) to 65°C (149°F)

I.D.	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
3" 4 6 8 10	G941WS-300 G941WS-400 G941WS-600 G941WS-800 G941WS-1000	3.62" 4.76 7.17 9.21 11.50	100 psi 75 70 60 35	28" Hg 28 28 28 28 28	6" 8 13 18 44	1.13 lb 1.74 3.88 5.57 7.48	100 ft 100 100 Multiples of 10 ft	See Prices Online





PHTHALATE

1111

FREE

EPDM Suction combines the best qualities of rubber and plastic. Like PVC suction hoses, it is lightweight, flexible, with a hard, non-marking cover. These features make it easy to handle and move around. Like rubber suction hoses, G1341 is weather and mild-chemical resistant and will stay flexible at very low temperatures. These qualities make this durable, colorful hose a popular choice for septic tank cleaning and in farming, mining and construction.

# G1341... EPDM SUCTION

**Construction:** Black EPDM rubber embedded with a bright green polyethylene helix.

**Interior:** Smooth, black, abrasion and mild-chemical resistant EPDM rubber.

**Exterior:** Bright green, slightly convoluted, abrasion, weather and chemical resistant polyethylene helix with black EPDM between.

Temperature Range: -35°C (-31°F) to 60°C (140°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
2	G1341-200	2.49	60 psi	28" Hg	9"	0.69 lb	100 ft	See
3	G1341-300	3.60	50	28	12	1.19	100	Prices
4	G1341-400	4.69	45	28	17	1.81	100	Online

G1341K

We know it looks confusing, and yes, these hoses are very much alike. G1341K is a premium hose - formulated and constructed slightly differently, and seems to stand up better in oily conditions. While our standard hose, G1341, is sold mainly for water applications, G1341K is sometimes preferred for septic tank pump out and oil field vacuum service, where experienced users say it provides a longer service life.

You can tell these apart by looking at the interior tube. G1341 is all black, and G1341K is green/black.

#### G1341K... PREMIUM EPDM SUCTION

I.D.	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
Premiu	ım Green							
1"	G1341K-100	1.40"	65 psi	29" Hg	2"	0.28 lb	100 ft	
1 <b>1/4</b>	G1341K-125	1.63	60	29	3	0.33	100	
1 <b>1/2</b>	G1341K-150	1.93	50	29	4	0.44	100	
2	G1341K-200	2.51	50	29	5	0.67	100	See Prices
2 <b>1/2</b>	G1341K-250	3.07	45	29	6	0.95	100	Online
3	G1341K-300	3.60	45	29	7	1.04	100	
4	G1341K-400	4.70	40	29	11	1.84	100	
6	G1341K-600	6.85	30	28	20	3.07	100	
Premiu	ım Blue							
2	G1341B-200	2.51	50	29	5	0.67	100	
3	G1341B-300	3.60	45	29	7	1.04	100	
4	G1341B-400	4.70	40	29	11	1.84	100	
Premiu	ım Red							
2	G1341R-200	2.51	50	29	5	0.67	100	
3	G1341R-300	3.60	45	29	7	1.04	100	
4	G1341R-400	4.70	40	29	11	1.84	100	



G1342 incorporates polyester fabric reinforcement for applications requiring a greater working pressure. It is often found in liquid fertilizer solution applications.

# G1342... FABRIC REINFORCED EPDM SUCTION

Tube: Black EPDM rubber.

**Reinforcement:** Black polyethylene helix plus one braid of polyester yarn.

**Cover:** Corrugated polyethylene helix with EPDM rubber between.

Temperature Range: -40°C (-40°F) to 71°C (160°F).

I.D.	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
2"	G1342-200	2.54"	100 psi	28" Hg	5"	0.73 lb	100 ft	See
3	G1342-300	3.62	90	28	8	1.18	100	Prices
4	G1342-400	4.53	75	28	10	1.40	100	Online

Rubber Water Suction is the "traditional" suction hose. It is the heavy-duty product still preferred by many users for heavy construction, dewatering, municipal, irrigation and mining applications. Our hose, particularly in the larger sizes, is more robust than many other products found in the market. It is ideal for rugged and demanding applications, including vacuum truck service.

# G341... RUBBER WATER SUCTION

Tube: Smooth, black rubber.

**Reinforcement:** Heavy wire helix embedded between layers of synthetic textile cords.

**Cover:** Black, wrapped finish, weather and abrasion resistant rubber with green stripe.

Temperature Range: -40°C (-40°F) to 70°C (158°F).

I.D.	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per foot	Standard Length	
1"	G341-100	1.38"	150 psi	29" Hg	7"	0.50 lb	100 ft	See
11/4	G341-125	1.65	150	29	8	0.61	100	Prices
11/2	G341-150	1.93	150	29	9	0.80	100	Online
2	G341-200	2.48	150	29	12	1.06	20 or 100	
21/2	G341-250	2.95	150	29	15	1.51	100	
3	G341-300	3.46	150	29	21	1.81	20 or 100	
4	G341-400	4.57	150	24	30	2.42	20 or 100	
5	G341-500	5.60	150	24	40	4.20	100	
6	G341-600	6.77	150	24	48	5.78	20 or 100	

45

Water



G1342



Our EPDM hose is designed for improved weathering and chemical resistance. It is often used for glycol supply lines on portable heating units in our 2" size and for water suction applications in our larger sizes.

Tube: Smooth, black EPDM rubber.

**Reinforcement:** Heavy wire helix embedded between layers of synthetic textile cords.

**Cover:** Black, wrapped finish, weather and abrasion resistant EPDM rubber with white stripe.

Temperature Range: -30°C (-22°F) to 80°C (176°F)

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per foot	Standard Length	
2"	G341E-200	2.44"	150 psi	29" Hg	11"	1.02 lb	100 ft	See
3	G341E-300	3.43	150	29	13	1.47	100	See Prices Online
4	G341E-400	4.49	150	29	17	2.19	100	ontine

## G341C... CORRUGATED EPDM SUCTION HOSE

For large bore dewatering and other applications where full vacuum is required, Green Line offers our G341C water suction hose in sizes 6" through 12". The EPDM tube and cover construction allows greater resistance to UV exposure as

well as some chemicals while the corrugated cover is ideal for rugged and demanding applications.

Tube: Smooth, black EPDM rubber.

Reinforcement: Heavy dual wire helix embedded between layers of synthetic textile cords. Cover: Black, corrugated, abrasion, ozone, and weather resistant EPDM rubber.

**Temperature Range:** -35°C (-31°F) to 100°C (212°F).

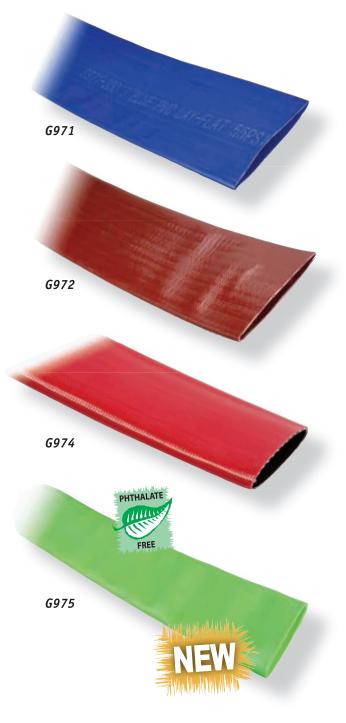
<u>I.D.</u>	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per foot	Standard Length	
6"	G341C-600	6.69"	150 psi	29" Hg	20"	5.09 lb	20 or 100 ft	
8	G341C-800	8.82	150	29	32	8.20	10,20 or 40	See Prices
10	G341C-1000	10.91	150	29	40	11.54	10,20 or 40	Online
12	G341C-1200	13.15	150	29	60	16.57	10,20 or 40	

GATED EPEMEWATER SUCT

G341C

# WATER DISCHARGE HOSE

Water Discharge Hoses are selected according to working pressure and abrasion resistance. Where hose use will be sporadic, temporary or light-duty in nature, thin-walled, lightweight hose such as G971 or G972 may be the best value, provided they meet the working pressure of the system. However in heavy construction or mining applications where the hose is continually exposed to rocks, or is subject to chafing or abrasion, the durability of the cover will greatly affect hose life. In this case, a rubber hose, even as heavy as G374 may give the best value.



## G971 & G972... PVC LAY-FLAT

These are lightweight, economical PVC hoses that flatten and roll up tightly when not in use. The process used to manufacture these hoses creates a "single wall" construction, where the tube and cover are bonded together through the reinforcement. They are designed for applications where external abuse is limited. Blue G971 is used widely for irrigation, construction, flood protection, and municipal applications. Red G972 incorporates higher-tensile fabric reinforcement to provide greater working pressures.

**Construction:** Spiral and longitudinal wrapped polyester yarn, embedded and coated with flexible blue or red PVC.

Temperature Range: -15°C (5°F) to 55°C (131°F)

# G974... HEAVY WALL PVC LAY-FLAT

Where users want a thicker wall hose but are not prepared to pay for a rubber hose, we offer G974 heavy wall PVC lay-flat. G974 is popular for rental and construction where abrasion is significant.

Tube: Black PVC

**Reinforcement:** Spiral and longitudinal wrapped polyester yarn. **Cover:** Thick bright red PVC

Temperature Range: -15°C (5°F) to 55°C (131°F)

# G975... PHTHALATE-FREE PVC LAY-FLAT

Featuring a similar construction to G971 and G972, G975 has the added feature of being phthalate-free. This hose provides a viable alternative to other PVC lay-flat hoses in municipalities where phthalate-free is a requirement as part of ground water regulation.

**Construction:** Spiral and longitudinal wrapped polyester yarn, embedded and coated with flexible green PVC.

**Temperature Range:** -10°C (14°F) to 65°C (149°F).

<u>I.D.</u>	Part Number	Wall Thickness	Working Pressure	Weight per ft	Standard Length	
3/4" 1 11/4 11/2 2	G971-075 G971-100 G971-125 G971-150 G971-200	0.048″ 0.052 0.056 0.059 0.059	140 psi 110 80 70 65	0.07 lb 0.10 0.13 0.18 0.23	300 ft 300 300 300 300 300	
21/2 3 4 6	G971-250 G971-300 G971-400 G971-600	0.059 0.063 0.067 0.075	55 55 50 35	0.26 0.36 0.51 0.84	300 300 300 300	See Prices Online
8	G971-800	0.087	35	1.23	300	
10	G971-1000	0.118	35	1.81	100	
12	G971-1200	0.118	30	1.95	100	
11/2	G972-150	0.067	100	0.20	300	
2	G972-200	0.067	100	0.24	300	
21/2	G972-250	0.071	100	0.32	300	
3	G972-300	0.075	90	0.44	300	
4	G972-400	0.079	90	0.60	300	
6	G972-600	0.087	75	0.87	300	
8	G972-800	0.098	70	1.34	300	
2	G974-200	0.120	150	0.36	300	
3	G974-300	0.145	150	0.46	300	
4	G974-400	0.160	150	0.73	300	
2	G975-200	0.083	150	0.28	300	
3	G975-300	0.098	150	0.48	300	
4	G975-400	0.098	150	0.67	300	
6	G975-600	0.102	115	1.08	300	



GITE BILLINE GITE WATER DISCHARGE HOSE

Where conventional fabric covered fire hoses are used in wash-down or mill discharge applications, they quickly become frayed on the cover. G1372 Black Dragon features "through-the-weave" construction along with a nitrile/ PVC blend rubber compound, which completely encases the jacket to provide a long lasting hose suitable for many applications such as plant wash-down and general water discharge for construction and rental companies.

#### G1372... BLACK DRAGON

 Construction: PVC/Nitrile abrasion-resistant compound coextruded to obtain maximum bending.
 Reinforcement: Circular woven synthetic polyester.
 Temperature Range: -37°C (-36°F) to 81°C (178°F)

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1 <sup>1</sup> /2"	G1372-150	1.70"	300 psi	0.24 lb	50,100 or 200 ft	
2	G1372-200	2.20	300	0.32	50,100 or 200	
2 <sup>1</sup> /2	G1372-250	2.72	250	0.38	50,100 or 200	See
3	G1372-300	3.26	250	0.84	50,100 or 200	Prices Online
4	G1372-400	4.26	250	0.84	50,100 or 200	Untille
6	G1372-600	6.30	200	1.48	50,100 or 200	
8	G1372-800	8.35	200	3.50	50,100 or 660	
10	G1372-1000	10.35	150	3.10	50 or 100	

G372 is a medium-duty discharge hose that offers good durability for general applications. G372 is lightweight and rolls up tightly for storage and is widely used by contractors, rental companies, and farmers.

# G372... RUBBER DISCHARGE

Tube: Black synthetic rubber.

**Reinforcement:** Multiple layers of spiralled textile cords. **Cover:** Black, abrasion, and weather resistant rubber. **Temperature Range:** -40°C (-40°F) to 70°C (158°F)

G372

	Part		Working	Weight	Standard	
I.D.	Number	0.D.	Pressure	per ft	Length	
11/4"	G372-125	1.52"	100 psi	0.30 lb	50 or 100 ft	
11/2	G372-150	1.79	100	0.38	50 or 100	
2	G372-200	2.26	100	0.46	50 or 100	See
3	G372-300	3.33	75	0.87	50 or 100	Prices
4	G372-400	4.35	75	1.16	50 or 100	Untille
6	G372-600	6.42	75	2.04	50 or 100	
8	G372-800	8.44	75	3.00	50	
10	G372-1000	10.49	75	4.69	50	

Green Line G373E

The EPDM tube and cover construction of G373E allows the hose to stand up better to UV exposure while also providing improved chemical resistance when compared to other rubber water discharge hoses.

# G373E... EPDM RUBBER WATER DISCHARGE

Tube: Black, smooth EPDM rubber. Reinforcement: High tensile textile cord. Cover: Black, smooth with cloth impression, weather, ozone, and abrasion resistant EPDM rubber. Temperature: -30°C (-22°F) to 90°C (195°F)

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1 <b>1/4</b> "	G373E-125	1.57"	150 psi	0.38 lb	50 or 100 ft	
1 <b>1/2</b>	G373E-150	1.81	150	0.48	50 or 100	
2	G373E-200	2.32	150	0.63	50 or 100	
2 <b>1/2</b>	G373E-250	2.80	150	0.79	50 or 100	See
3	G373E-300	3.39	150	1.13	50 or 100	Prices Online
4	G373E-400	4.33	150	1.18	50 or 100	Untille
5	G373E-500	5.39	150	1.77	50 or 100	
6	G373E-600	6.38	150	2.37	50 or 100	
8	G373E-800	8.39	150	2.76	50 or 100	
10	G373E-1000	10.47	150	4.20	50 or 100	
12	G373E-1200	12.60	150	6.24	50 or 100	

G374 provides heavier plies of reinforcement and a thicker wall to make the hose hold its shape and resist kinking more than other discharge hoses. Its thick green rubber cover withstands heavy abuse from constant dragging or contact with rocky ground.

# G374... HEAVY DUTY WATER DISCHARGE

Tube: Black synthetic rubber.

**Reinforcement:** Four heavy plies of spiralled textile cords. **Cover:** Green, abrasion, and weather resistant rubber. **Temperature Range:** -40°C (-40°F) to 70°C (158°F)

ER DISCHARGE 150 PSI

G373E

en Line G374 HEAVY D	UTY WATER DISC	SHARGE	Hose	1		
I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
11/4 11/2 2 21/2 3 4	2 G374-150 G374-200 2 G374-250 G374-300 G374-400	1.65" 1.91 2.50 2.99 3.50 4.53	150 psi 150 150 150 150 100	0.53 lb 0.63 0.96 1.18 1.53 1.82	50 or 100 ft 50 or 100 50 or 100 50 or 100 50 or 100 50 or 100	See Prices Online
6 8 10	G374-600 G374-800 G374-1000	6.61 8.50 10.67	100 100 100	3.50 3.78 5.84	50 or 100 50 or 100 50	

## Dewatering Suction & Discharge Hose Assemblies

We stock our most popular dewatering hose assemblies listed here. Our full vacuum EPDM Suction Hose Assemblies come in both 10 and 20 ft standard lengths and are fitted with crimped Type B Ball-Lock ends in sizes up to 8" and crimped Type A Ball-Lock ends in our 10" & 12" sizes. Discharge Hose assemblies come complete with crimped Type B Ball-Lock couplings up to 8" and crimped Type A Ball-Lock couplings in 10" & 12" as well as Victaulic ends in sizes 6" through 10". For additional lengths, styles, and fittings please consult the bulk hose section of this catalog as well as our Industrial Fittings catalog or give us a call and we'll be happy to provide a quotation.

Hose I.D.	Length (ft)	End Fittings	Part Number						
G341C Co	rrugated EPD	M Suction Hose							
6"	10	Type B Ball-Lock	G341C-600BL10						
8	10	Type B Ball-Lock	G341C-800BL10						
10	10	Type A Ball-Lock	G341C-1000BLA10	See					
12	10	Type A Ball-Lock	G341C-1200BLA10	Prices Online					
6	20	Type B Ball-Lock	G341C-600BL20						
8	20	Type B Ball-Lock	G341C-800BL20						
G373E EPDM Discharge Hose									
4	50	Type B Ball-Lock	G373E-400BL50						
6	50	Type B Ball-Lock	G373E-600BL50						
8	50	Type B Ball-Lock	G373E-800BL50						
10	50	Type A Ball-Lock	G373E-1000BLA50						
12	50	Type A Ball-Lock	G373E-1200BLA50						
G1372 Bl	ack Dragon D	ischarge Hose							
4	50	Type B Ball-Lock	G1372-400BL50						
6	50	Type B Ball-Lock	G1372-600BL50						
8	50	Type B Ball-Lock	G1372-800BL50						
10	50	Type A Ball-Lock	G1372-1000BLA50						
6	50	Victaulic Grooved End	G1372-600VV50						
8	50	Victaulic Grooved End	G1372-800VV50						

Victaulic Grooved End G1372-1000VV50

*Note: G1372 is available in 660 ft continuous lengths upon request* 

10

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# **DRILLERS HOSE & ASSEMBLIES**

Driller's Water Line supplies water to geological exploration drill rigs. The hose is generally cut into 100 foot lengths and coupled with universal type quick connects or brass long shank fittings. G312 is supplied on reels containing 6 x 100 ft pre-cut lengths so no scrap is created. We also supply precut 100's with or without couplings.

# G312... DRILLER'S 200 WATER LINE

Tube: Black, limited oil-resistant EPDM rubber.Reinforcement: High-tensile spiralled yarn.Cover: Smooth, red, abrasion and weather resistant EPDM rubber.

**Temperature Range:** -40°C (-40°F) to 95°C (203°F).

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Approx Reel Length	
1"	G312-100	1.37"	200 psi	0.51 lb	6 x 100 ft	See Prices Online

Part Number	Fittings	Working Pressure	Length	Weight Each	
G312-100U100 G312-100LS100	Universals Long Shanks	200 psi 200	100 ft 100	51.0 lb 51.0	See Prices Online
		200	100	51.0	
-	Con la		12 miles		
		6312-LS		660	

#### **Alternate Drillers Water Lines**

G312

Where specialized conditions call for higher pressures, or longer assemblies of lightweight hose, we offer a variety of hoses and lengths with long shank couplings. The most common styles and lengths are listed here.

Part Number	Fittings	Length	Weight Each	
G1372Y-100LS150 G1372Y-100LS300	5	150 300	26.0 52.0	See
G242-100LS100 G242G-100LS100	Long Shanks Long Shanks	100 100	62.0 62.0	See Prices Online



Spa Flex Hose is designed to replace PVC pipe on Hot Tubs and Spas. G941HT has the IAPMO plumbing safety approval and uses the same external glue-on schedule 40 fittings as rigid pipe but is much easier to install. Hose will bend without heating and will follow the curves and corners on a spa without having to use elbows. Spa Flex is ordered by nominal pipe size.

# G941HT... SPA FLEX

**Construction:** Cream coloured, flexible PVC, embedded with a rigid PVC helix.

**Interior**: Flexible PVC, smooth for unrestricted flow. **Exterior**: Smooth, cream coloured, weather resistant PVC. **Temperature Range**: -20°C (-4°F) to 65°C (150°F). **Note**: Please use a PVC-to-Flex cement for attaching PVC fittings to hose. Suitable cements include:

- Permalite Plastic #VIC 504
- Uniflex Pipe Cement
- United Elchen 6700 Series PVC to Flex
- Weld-On #795 PVC/Flex.



Pipe	Part	'art		Working Vacuum Pressure Rating		Bend	Weight			
Size	Number	I.D.	0.D.	20°C	40°C	20°C	Radius	per ft	Length	
1/2"	G941HT-050	0.63	0.84"	100 psi	70 psi	28" Hg	2"	0.14 lb	50 or 100 ft	
3/4	G941HT-075	0.80	1.05	100	70	28	2	0.21	50 or 100	6
1	G941HT-100	1.06	1.32	100	70	28	3	0.27	50 or 100	See Prices
1 <b>1/4</b>	G941HT-125	1.42	1.67	80	55	28	4	0.36	100	Online
1 <b>1/2</b>	G941HT-150	1.65	1.90	70	50	28	5	0.41	50 or 100	
2	G941HT-200	2.06	2.38	70	50	28	6	0.59	50 or 100	

#### G941PF... POND FLEX

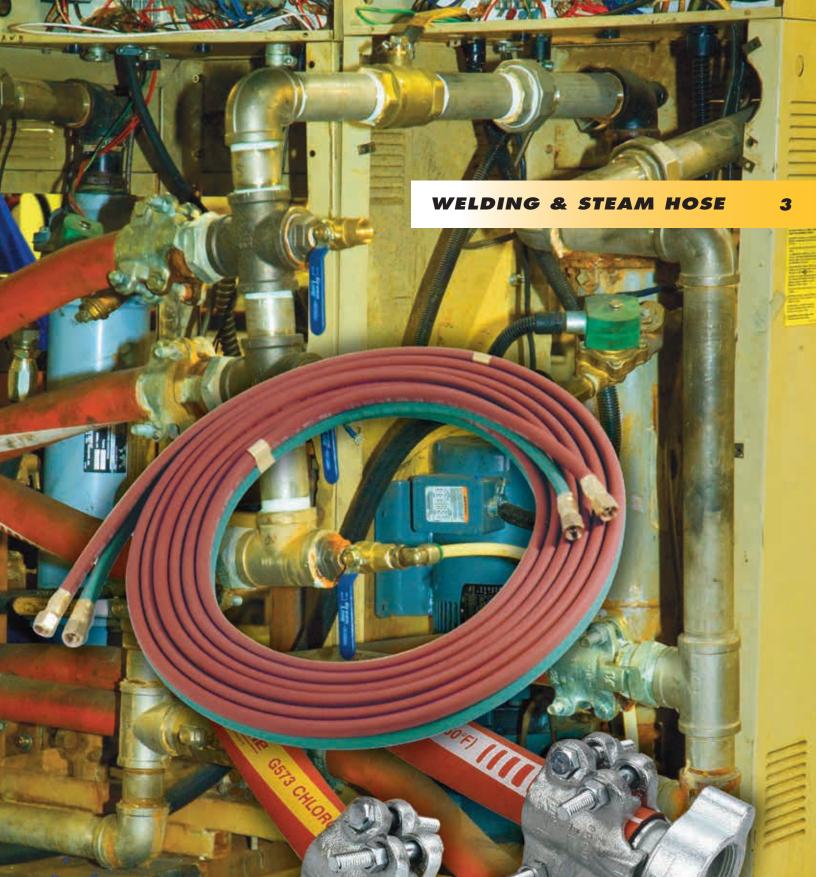
Like Spa Flex, G941PF is designed to glue into schedule 40 PVC fittings, but is black to be less visible in landscaping. This product is designed for open end applications.

**Construction:** Black, flexible PVC, embedded with a rigid PVC helix.

**Interior**: Flexible PVC, smooth for unrestricted flow. **Exterior**: Smooth, black, weather resistant PVC. **Temperature Range**: -20°C (-4°F) to 65°C (150°F).

Pipe Size	Part Number	I.D.	0.D.	Working Pressure 20°C	Vacuum Rating 20°C	Bend Radius	Weight per ft	Standard Length	
1 <b>1/2</b> "	G941PF-150	1.65"	1.91"	65 psi	28" Hg	5"	0.49 lb	50 or 100 ft	See Prices
2	G941PF-200	2.06	2.38	60	28	6	0.68	50 or 100	Online

G941PF



Grade R Twin Weld is designed for welding and cutting where oxygen and acetylene are used. Grade R is by far the most commonly used welding hose today. However G422 is not suitable for use with other fuel gas mixtures that have appeared in recent years. These hydrocarbon based fuel gases require a low-permeation, oil resistant hose (inquire for G423.)

#### G422... GRADE R TWIN WELD

Tube: Smooth, black, EPDM rubber. For use with Acetylene only. Reinforcement: High-tensile spiralled synthetic yarn. Cover: Smooth, weather and abrasion resistant EPDM rubber. Red for acetylene,green for oxygen.

Temperature Range: -40°C (-40°F) to 82°C (180°F)

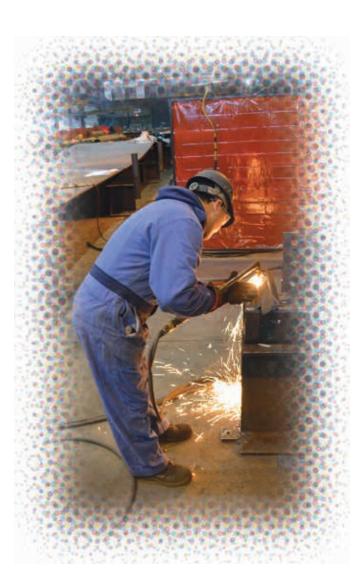
I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Approx Reel Length	
<sup>3</sup> /16 <sup>'''</sup>	G422-019	0.44 x 0.88"	200 psi	0.15 lb	700 ft	
1/4	G422-025	0.53 x 1.06	200	0.21	700	See Prices
5/ <sub>16</sub>	G422-031	0.59 x 1.19	200	0.25	700	Online
3/8	G422-038	0.66 x 1.31	200	0.28	700	

## TWIN WELD ASSEMBLIES

G422 Grade R Twin Weld is also available in coupled assemblies. We use all-brass fittings coupled with long brass ferrules for extra holding power. Assemblies are individually packaged.



I.D.	Length	Part Number	Weight Each	
3/ <sub>16</sub> "	25 ft	G422-019X25	4.0 lb	
3/ <sub>16</sub>	50	G422-019X50	8.0	
3/ <sub>16</sub>	100	G422-019X100	15.5	See
				Prices
1/4	25	G422-025X25	5.5	Online
1/4	50	G422-025X50	10.5	
1/4	100	G422-025X100	21.0	



Weld



Grade R Single-Line Welding is designed for welding and cutting where oxygen and acetylene are used and single hoses are preferred. The fluted cover and heavy reinforcement have made this hose popular wherever external abuse is severe. G412 meets RMA specifications for Grade R, Type S. However G412 is not suitable for use with other fuel gas mixtures that have appeared in recent years. These hydrocarbon based fuel gases require a low-permeation, oil resistant hose (inquire for G423.)

# G411 & G412... GRADE R SINGLE LINE

Tube: Smooth, black, EPDM rubber. For use with acetylene or oxygen only. Not for use with other fuel gases
Reinforcement: High-tensile spiralled synthetic yarn.
Cover: Fluted (corrugated), weather and abrasion resistant EPDM rubber. Red for acetylene,green for oxygen.
Temperature Range: -40°C (-40°F) to 82°C (180°F)

PART NUMBER								
	Green Cover	Red Cover		Working	Rein-	Weight	Approx	
I.D.	Oxygen	Acetylene	0.D.	Pressure	forcement	per ft	Reel Length	
3/ <sub>16</sub> "	G411/0-019		0.44"	200 psi	2 spiral	0.08 lb	700 ft	
1/4	G411/0-025	G411/A-025	0.53	200	2	0.11	700	See Prices
1/4	G412/0-025	G412/A-025	0.59	200	4	0.14	700	Online
3/8	G412/0-038	G412/A-038	0.72	200	4	0.18	700	

Weld

G411 & G412

# **STEAM HOSE**

**Note:** All steam hoses will last longer if they are drained after each use. Water that is left in steam hose tends to be absorbed into the tube compound. When the hose is rapidly reheated, the condensed moisture vaporizes in the rubber compound causing blistering of the tube. In general, steam hoses are not a substitute for steel piping and should not be used in manifold systems or any other permanent installation.

#### G571... EPDM STEAM

G571 features a braided steel wire reinforcement which allows better retention to crimped fittings as opposed to clamped fittings when assembled. It is suitable for conveying saturated steam to 250 psi.

Tube: Smooth, black, electrically conductive EPDM rubber.

Reinforcement: Braided layers of high-tensile steel wire.

**Cover:** Wrapped finish, red, abrasion, weather, and heat resistant EPDM rubber.

**Temperature Range:** -40°C (40°F) to 210°C (410°F) for steam, 95°C (205°F) for hot water.

**Couplings:** Only G29 series crimpable ground joint stems should be used. Always use G29CR crimp ferrules to prevent stem blowout. For pipe thread, please use Pulsar 4400 Series Crimp Fittings.

Clamp Sel	ection Chart:		Part		Working	Weight	Standard
ose Part No.	Clamp Part No.	<u>I.D.</u>	Number	0.D.	Pressure	per ft	Length
'5	G29CR-075	3/4"	G571-075	1.22"	250 psi	0.44 lb	50 or 100 ft
0	G29CR-100	1	G571-100	1.50	250	0.67	50 or 100
1-200	G29CR-200	2	G571-200	2.64	250	1.44	50 or 100

#### G572... RED DEVIL

PSI 210°C (410°F)

Red Devil is manufactured using layers of high-tensile spiral wire for extra flexibility and with a heavy, wrapped cover for durability. It is rated for saturated steam to 250 psi and is our most popular steam hose for heavy industrial applications.

**Tube:** Black EPDM rubber compounded for high resistance to heat aging.

**Reinforcement:** Spiral layers of brass-plated, high-tensile, steel wire.

**Cover:** Wrapped finish, red, abrasion, weather, and heat resistant EPDM rubber, pin-pricked to prevent blistering.

**Temperature Range:** -40°C (-40°F) to 208°C (406°F) ...short peaks to 232°C (450°F).

**Couplings:** Only G29 series ground joint or G23 series male NPT stems should be used. Always use G29C series interlocking clamps to prevent stem blowout.



Clamp Selection Chart:							
Hose Part No.	Clamp Part No.						
G572-050	G29C-050A						
G572-075	G29C-075A						
G572-100	G29C-100AA						
G572-125	G29C-100B						
G572-150	G29C-150AA						
G572-200	G29C-200AA						
G572-300	G29C-300AA						

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Length	
1/2"	G572-050	0.98"	250 psi	0.34 lb	50 or 100 ft	
3/4	G572-075	1.22	250	0.45	50 or 100	See
1	G572-100	1.46	250	0.61	50 or 100	Prices Online
11/4	G572-125	1.75	250	0.77	50 or 100	Untine
1 <b>1/2</b>	G572-150	2.05	250	1.00	50 or 100	
2 3	G572-200 G572-300	2.58 3.78	250 250	1.45 2.89	50 or 100 50 or 100	

For popular steam hose assemblies see page 58.

# STEAM HOSE

Note: All steam hoses will last longer if they are drained after each use. Water that is left in steam hose tends to be absorbed into the tube compound. When the hose is rapidly reheated, the condensed moisture vaporizes in the rubber compound causing blistering of the tube. In general, steam hoses are not a substitute for steel piping and should not be used in manifold systems or any other permanent installation.

#### G573... CHLOROBUTYL STEAM

Chlorobutyl rubber has excellent heat resistance and is less permeable to gases than other synthetic rubbers. These characteristics provide for a steam hose with improved life expectancy. Not only does the tube compound not age so quickly, but it absorbs much less steam. When steam hoses cycle from hot to cold, the steam that has been absorbed into the steam hose tube condenses. When it is suddenly re-heated, the water can vaporize and cause tiny "explosions" into the tube. The result is an effect called "popcorning" where the hose bore appears to have bubbled. Chlorobutyl rubber has improved resistance to this effect.

**Tube:** Black Chlorobutyl rubber compounded for high resistance to heat aging.

Reinforcement: Spiral layers of brass-plated, high-tensile, steel wire.

**Cover:** Wrapped finish, red, abrasion, weather, and heat resistant EPDM rubber, pin-pricked to prevent blistering.

Temperature Range: -40°C (-40°F) to 208°C (406°F) ...short peaks to 232°C (450°F).

Couplings: Only G29 series ground joint or G23 series male NPT stems should be used. Always use G29C series interlocking clamps to prevent stem blowout.



<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
<b>3/4</b> " 1 2	G573-075 G573-100 G573-200	1.22" 1.46 2.56	250 psi 250 250	0.45 lb 0.61 1.44	50 or 100 ft 50 or 100 50 or 100	See Prices Online

Clamp Selection Chart:						
Hose Part No.	Clamp Part No.					
G573-075	G29C-075A					
G573-100	G29C-100AA					
G573-200	G29C-200A					

# **STEAM HOSE**

#### STEAM HOSE ASSEMBLIES

Steam hoses are supplied with G29C interlocking clamps for secure fitting retention. Fittings are generally G29 ground joint style stems with wing nuts or G23S male pipe stems. These fittings all have collars on the barb to interlock with the G29C clamp. For crimped steam hose assemblies, Green Line offers our G571 product line complete with NPT or G29 Crimpable Ground Joint fittings.

Weld

(410°F)

G571MM



Green Line

Hose <u>size</u>	Thread size	Length (ft)	Part Number	Weight Each (lb)				
G571 Assemblies with Crimped Fittings								
3/4"	3/4" NPT	50	G571-075MM50	23				
3/4	1 NPT	50	G571-075M16M50	24				
1	1 NPT	50	G571-100MM50	27	See			
2	2 NPT	50	G571-200MM50	79	Prices Online			
3/4	G29 Ground Joint	50	G571-075FF50	24				
1	G29 Ground Joint	50	G571-100FF50	28				
2	G29 Ground Joint	50	G571-200FF50	86				





3/4	3/4 NPT	50	G572-075MM50	25	
3/4	1 NPT	50	G572-075M16M50	25	
1	1 NPT	50	G572-100MM50	35	
2	2 NPT	50	G572-200MM50	85	See Prices Online
3/4	G29 Ground Joint	50	G572-075FF50	26	
1	G29 Ground Joint	50	G572-100FF50	36	
2	G29 Ground Joint	50	G572-200FF50	88	



#### **G573** Assemblies with Clamped Fittings

3/4	3/4 NPT	50	G573-075MM50	25	
3/4	1 NPT	50	G573-075M16M50	25	
1	1 NPT	50	G573-100MM50	35	
2	2 NPT	50	G573-200MM50	85	See Prices Online
3/4	G29 Ground Joint	50	G573-075FF50	26	
1	G29 Ground Joint	50	G573-100FF50	36	
2	G29 Ground Joint	50	G573-200FF50	88	

- Green Line -

# PETROLEUM & OILFIELD HOSE 4

100

# FUEL DISPENSING HOSE

Gasoline & diesel hose for fuel line & filler necks can be found in Automotive and Marine Sections



G603

Petroleum Hoses are divided into:

- Fuel Dispensing for diesel, gasoline, and heating oil
- Tank Truck suction & discharge hoses
- Oil Field Specialty hoses such as BOP, Kelly

Premium Farm Tank is commonly used for dispensing gasoline or diesel from drums, skid tanks and storage tanks using gravity feed or low pressure pumps. G603 is also excellent for lubricating and fuel oils. G603 is rated for diesel fuels with up to 20% biodiesel content.

#### G603... PREMIUM FARM TANK

**Tube:** Black nitrile/pvc class A rubber specially compounded to handle unleaded and leaded fuels with up to 50% aromatic content.

**Reinforcement:** Two spirals of polyester yarn plus built-in static wire.

**Cover**: Smooth, black, oil, weather, and abrasion resistant nitrile/pvc class A rubber compound.

Temperature Range: -29°C (-20°F) to 71°C (160°F)

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
<sup>3</sup> /4"	G603-075	1.06"	60 psi	0.28 lb	50' Coil or 600' Reel	See
1	G603-100	1.38	60	0.41	50' Coil or 600' Reel	Prices
1 <sup>1</sup> /4	G603-125	1.66	60	0.62	50' Coil or 600' Reel	Online



Since farm tank is most often sold in short lengths coupled with male pipe fittings, we offer these assemblies already made up. Our 3/4" and 1" farm tank hoses feature brass plated zinc fittings attached with crimped aluminum ferrules. The 11/4" hoses have aluminum ends attached with band clamps. Internal spring guards in each end of all 3/4" and 1" hoses prevent kinking next to the fittings.

#### PREMIUM FARM TANK ASSEMBLIES

Hose size	NPT size	Length	Part Number	Weight Each	
3/4"	3/4"	10 ft	G603-075MM10	3.7 lb	
		12	G603-075MM12	3.8	
		15	G603-075MM15	5.4	
		20	G603-075MM20	7.1	See
1	1	10	G603-100MM10	4.8	Prices Online
		15	G603-100MM15	7.0	
		20	G603-100MM20	9.2	
		25	G603-100MM25	10.3	
11/4	11/4	15	G603-125MM15	11.3	

Hardwall Curb Pump is used for dispensing most types of fuel from service station pumps. Compatible fuels include unleaded gasolines, diesel, and white gas. The wire braid reinforcement provides the hose with excellent kink and crush resistance and also dissipates static electricity.

# G621... HARDWALL CURB PUMP

**Tube:** Smooth, black, gasoline and oil resistant nitrile rubber.

- **Reinforcement:** High-tensile steel wire, tightly braided for maximum flexibility.
  - **Cover:** Smooth, black, oil, abrasion, and weather resistant rubber.
  - Temperature Range: -40°C (-40°F) to 60°C (140°F)

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
3/4"	G621-075	1.13"	150 psi	0.37 lb	500 ft	See
1"	G621-100	1.50	150	0.52	500	Prices Online



## CURB PUMP ASSEMBLIES

Commonly requested curb pump assemblies are listed below. Male pipe ends are chrome plated brass. Hoses are supplied with permanently installed fittings.

Hose size	NPT size	Length	Part Number	Weight E	a.
Assemblies	s with Soli	d Male Fi	ttings:		
5/8"	3/4"	8 ft	G621-063MM8	3.0 lb	
		8.5	G621-063MM8.5	3.2	
		9	G621-063MM9	3.4	See Prices
		9.5	G621-063MM9.5	3.6	Online
3/4"	3/4"	9"	G621-075WHIP	1.5	
Assemblies	s with Live	Male by	Solid Male Fittings:		
3/4"	3/4"	10.5	G621-075MLM10.5	4.9	
		12	G621-075MLM12	5.6	
		13	G621-075MLM13	5.7	See
		15	G621-075MLM15	6.4	Prices Online
		17	G621-075MLM17	6.9	Untille
		25	G621-075MLM25	10.0	
1	1	15	G621-100MLM15	9.0	
		17	G621-100MLM17	10.1	
		20	G621-100MLM20	11.6	
		25	G621-100MLM25	14.2	

# **FUEL DISPENSING HOSE**

## G622... ARCTIC CURB PUMP HOSE

The CPE (chlorinated polyethylene) tube and cover in G622 provides not only excellent low temperature flexibility but also excellent ozone and weathering resistance. This product is UL Listed for fuel dispensing and performs when other hoses become stiff and brittle in cold environments.

G622

3/4"	G622-075 G622-100	1.13" 1.50	150 psi 150	0.39 lb 0.49	600 ft	See Prices Online	-
			V°F) to 80°C (17 Working Pressure	'6°F) Weight per ft	Approx. Reel Length		UEL HOSE 11-19-13 0 . F.L.
Reinf	Smooth, black orcement: Spin : Smooth, blac	ral layers of I	polyester fabric v	vith static wire	PERMOID T ID P	UMPFLEX 1LT F	
	d environment		ome stiff and br	Ittle	THEN		

#### G622 Assemblies...

Hose size	NPT size	Length	Part Number	Weight Each	
3/4"	3/4"	9 ft 10 12 15 20	G622-075MLM9 G622-075MLM10 G622-075MLM12 G622-075MLM15 G622-075MLM20	3.9 lb 4.3 5.1 6.3 8.3	See Prices Online
		25 30 50	G622-075MLM25 G622-075MLM30 G622-075MLM50	10.3 12.3 20.3	
1"	1"	12 15 20 25 30 50	G622-100MLM12 G622-100MLM15 G622-100MLM20 G622-100MLM25 G622-100MLM30 G622-100MLM50	7.0 8.4 10.4 13.2 15.7 25.5	



Factory made assemblies are built by UL listed and certified Green Line Manufacturing Ltd.

This blue, smooth cover hose is ideal for a wide variety of applications in the coldest of climates. G626 maintains flexibility down to -55°C (-67°F) and can be used for gasoline, fuel oil, kerosene, air, and many chemicals.

# G626...POLAR FUEL & MULTI-PURPOSE HOSE

**Tube:** Smooth, black, gasoline and oil resistant synthetic class A rubber.

**Reinforcement:** Spiral layers of polyester cord with a static wire. **Cover:** Smooth, blue, oil resistant class A rubber.

Temperature Range: -55°C (-67°F) to 80°C (176°F)



<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Approx. Reel Length	
3/8"	G626-038	0.75"	300 psi	0.21 lb	700 ft	
1/2	G626-050	0.94	300	0.30	700	
3/4	G626-075	1.13	225	0.39	700	See
1	G626-100	1.50	300	0.49	600	Prices Online
11/4	G626-125	1.78	300	0.61	300	
13/8	G626-138	1.88	300	0.68	300	
11/2	G626-150	2.03	300	0.83	300	



G626

6626 Asse	mblies				
Hose size	NPT size	Length	Part Number	Weight Each	
3/4"	3/4	10.5 ft	G626-075MLM10.5	5.1 lb	
,	,	12	G626-075MLM12	5.7	
		15	G626-075MLM15	6.8	See
		20	G626-075MLM20	8.8	Prices
		25	G626-075MLM25	10.7	Online
		50	G626-075MLM50	18.5	
L	1	12	G626-100MLM12	7.0	
		15	G626-100MLM15	8.4	
		20	G626-100MLM20	10.4	
		25	G626-100MLM25	13.2	
		30	G626-100MLM30	15.7	
		50	G626-100MLM50	25.5	

**Note:** When installing couplings on fuel fill hoses, the antistatic wire should be exposed and folded into the inside of the hose so that it comes into permanent contact with the couplings. This should be confirmed with an electrical continuity check prior to service.

Fuel Oil Delivery was originally designed to fit on the hose reels of home heating oil delivery trucks. However, features such as an ability to handle a variety of fuels, non-marking cover, and good kink resistance, have made G623 popular as a gasoline and diesel dispensing hose on marine refuelling barges and in logging camps.

Note: G623 is not recommended for mixed fuel use. Where one hose is required to deliver multiple fuel types, please use G626.

#### G623... FUEL OIL DELIVERY

**Tube:** Smooth, black, gasoline and oil resistant class A nitrile rubber.

**Reinforcement:** High-tensile, synthetic, spiralled yarn plus built-in static wire.

**Cover:** Smooth, red, oil, abrasion, and weather resistant class A nitrile/PVC rubber.

**Temperature Range:** Fuel oils -40°C (-40°F) to 70°C (150°F), Gasoline/Gasoline Blends -40°C (-40°F) to 40°C (104°F).

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1"	G623-100	1.50"	250 psi	0.47 lb	400 ft	See
11/4	G623-125	1.78	250	0.59	400	Prices
13/8	G623-138	1.88	250	0.65	400	Online
11/2	G623-150	2.09	250	0.80	400	

## G625B... ARCTIC FUEL DELIVERY

G625B is designed for oil and fuel delivery in cold climates where conventional hoses become too stiff and even brittle. The wrapped-ply fabric reinforcement provides good kink resistance, while the special rubber compounds used in both tube and cover ensure flexibility in use at -40°C (-40°F). Below -40°C hoses begin to stiffen but will not become brittle until below -55°C (-67°F).

**Tube:** Smooth, black, gasoline, oil, and biofuel resistant synthetic rubber.

**Reinforcement:** Wrapped plies of spiral cords with copper static wire.

**Cover:** Blue oil and abrasion resistant rubber with wrapped finish.

Temperature Range: -55°C (-67°F) to 80°C (176°F).

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1 <b>1/4</b> " 1 <b>1/2</b>	G625B-125 G625B-150		300 psi 300	0.67 lb 0.96	400 400	See Prices Online



G623

G625B

# **PROPANE HOSE**

#### G632... ARCTIC PROPANE HOSE

Arctic Propane Hose is designed to transfer liquefied propane. It meets Canadian Gas Association as well as CAN/CGA-8.1-M86 Type 1 requirements. The low temperature flexibility of this hose makes it ideally suited to the Canadian climate. We supply this hose only in premade, factory tested assemblies that conform to CSA requirements. G632 can also be used for natural gas in an outdoor, open, and ventilated area. Tube: Nitrile rubber designed for low permeation. Reinforcement: Spirals of synthetic yarn.

Cover: Black, oil, abrasion, and flame resistant chlorinated polyethylene.

Temperature Range: -54°C (-65°F) to 100°C (212°F) Fittings: Brass stems and ferrules are used on 1/4" and 3/8" hoses. Larger sizes have steel ends.

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft
1/4"	G632-025	0.53"	350 psi	0.09 lb
1/4" <sup>3</sup> /8	G632-038	0.71	350	0.16
<sup>1</sup> /2	G632-050	0.84	350	0.30
<sup>3</sup> /4	G632-075	1.19	350	0.43
1	G632-100	1.46	350	0.58



<u>I.D.</u>	Part Number	Length	Fittings	
1/4" 1/4 1/4 1/4 1/4 1/4	G632-025LEFT10 G632-025LEFT15 G632-025LEFT20 G632-025LEFT25 G632-025LEFT50 G632-025LEFT100	10 ft 15 20 25 50 100	Left hand <b>9/16</b> -18 Left hand <b>9/16</b> -18	See Prices Online
1/4 1/4 1/4	G632-025NPT10 G632-025NPT25 G632-025NPT50	10 25 50	NPT male NPT male NPT male	
1/4 1/4 1/4 1/4 1/4 1/4	G632-025POLNPT1.5 G632-025POLNPT2 G632-025POLNPT2.5 G632-025POLNPT3 G632-025POLNPT5 G632-025POLNPT10	1.5 2 2.5 3 5 10	POL × NPT male POL × NPT male	See Prices Online
1/4 1/4 1/4 1/4 1/4 1/4	G632-025POLHNPT1.5 G632-025POLHNPT2 G632-025POLHNPT2.5 G632-025POLHNPT3 G632-025POLHNPT5 G632-025POLHNPT10	1.5 2 2.5 3 5 10	POL handwheel x NPT male POL handwheel x NPT male	
<sup>3</sup> /8 <sup>3</sup> /8 <sup>3</sup> /8 <sup>3</sup> /8 <sup>3</sup> /8 <sup>3</sup> /8	G632-038SAE10 G632-038SAE15 G632-038SAE20 G632-038SAE25 G632-038SAE50 G632-038SAE100	10 15 20 25 50 100	SAE female SAE female SAE female SAE female SAE female SAE female	See Prices Online
3/8 3/8 3/8 3/8 3/8 3/8 3/8	G632-038SAENPT6 G632-038SAENPT10 G632-038SAENPT12 G632-038SAENPT15 G632-038SAENPT20 G632-038SAENPT25	6 10 12 15 20 25	SAE Female x NPT male SAE Female x NPT male	
1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	G632-050JIC2 G632-050JIC10 G632-050JIC15 G632-050JIC25 G632-050JIC50 G632-050JIC75 G632-050JIC100	2 10 15 25 50 75 100	JIC female JIC female JIC female JIC female JIC female JIC female JIC female	See Prices Online
<sup>3</sup> /4 <sup>3</sup> /4 <sup>3</sup> /4 <sup>3</sup> /4 <sup>3</sup> /4	G632-075SAE12 G632-075SAE25 G632-075SAE50 G632-075SAE75 G632-075SAE100	12 25 50 75 100	SAE female SAE female SAE female SAE female SAE female	
1 1 1 1	G632-100JIC10 G632-100JIC25 G632-100JIC50 G632-100JIC75 G632-100JIC100	10 25 50 75 100	JIC female JIC female JIC female JIC female JIC female	
1 1 1 1	G632-100NPT10 G632-100NPT25 G632-100NPT50 G632-100NPT100 G632-100NPT150	10 25 50 100 150	NPT male NPT male NPT male NPT male NPT male	See Prices Online

Note: Additional lengths and sizes available. Please contact us for pricing.

See our Industrial Fittings Catalog for Torch Kits

G632POL



**Bio Fuel** 

Approved

#### G631... BARBECUE PROPANE HOSE

Barbecue Propane Hose assemblies are used for connecting low pressure propane appliances such as barbecue grills, patio heaters, and fire pits to a propane tank. G631 Assemblies are UL144/UL569 listed for use with LP gas only.

**Construction:** Thermoplastic hose construction reinforced with spirals of synthetic yarn.

**Temperature Range:** -40°C (-40°F) to 55°C (130°F). **Fittings:** 90° low pressure aluminum regulator c/w Type 1 tank connection x 3/8" brass female flare fitting.

	Part		Working	Max Flow
I.D.	Number	0.D.	Pressure	Capacity
5/16"	G631-031	0.55"	1 psi	65,000 BTU

I.D.	Part Number	Length	Fittings	Weight	
<sup>5</sup> /16" 5/16	G631-031BBQ2 G631-031BBQ2.5	2 ft 2.5	BBQ Regulator x SAE female BBQ Regulator x SAE female		See Prices Online

Polar Tank Truck is designed for year round use in environments where standard hoses become too stiff during winter use. G643L offers improved flexibility at extremely low Polar temperatures, making this hose a popular choice of tank truck operators. The combined capability to handle pressure or full suction applications also makes G643L an ideal choice for all-purpose petroleum suction and discharge, oilfield service or as a fuel delivery drop hose.

#### G643L... POLAR TANK TRUCK

**Tube:** Smooth, black, oil & bio fuel resistant synthetic rubber. **Reinforcement:** High-tensile steel wire helix embedded between textile cords.

**Cover:** Corrugated, black, oil, weather, abrasion and ozone resistant synthetic rubber.

**Temperature Range:** -55°C (67°F) to 82°C (180°F) for products up to 30% aromatic content.

-55°C (-67°F) to 70°C (158°F) for products up to 50% aromatic content.

	Part		Working	Vacuum	Bend	Weight	Standard	
I.D.	Number	0.D.	Pressure	Rating	Radius	per ft	Length	
2"	G643L-200	2.57"	150 psi	29" Hg	5.0"	1.24 lb	100 ft	
3	G643L-300	3.54	150	29	7.5	1.94	100	See
4	G643L-400	4.75	150	29	10.0	2.80	100	Prices Online
6	G643L-600	6.85	150	25	30.0	4.96	100	ontine

GG43L 150 PSI WP POLAR TANK TRUCK HOSE

North Star Tank Truck is designed specifically for bulk transfer service, where ease of use is critical to the operator. G643 is much more flexible than regular petroleum transfer, particularly at sub zero temperatures. In northern climates, G643 extends the season for regular tank truck hose, reducing the use of more expensive, specially formulated arctic hoses.

# Green Line G643-200 G643... NORTH STAR TANK TRUCK

- Tube: Black, nitrile rubber, suitable for all grades of gasoline and petroleum products with up to 50% aromatic content.
- Reinforcement: Heavy wire double helix embedded between layers of synthetic textile cords plus built-in static wire.

Cover: Black, wrapped finish, oil, weather and abrasion resistant neoprene rubber.

Temperature Range: -40°C (-40°F) to 100°C (212°F).

<u>I.D.</u>	Part Number	0.D	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
3/4"	G643-075	1.18"	150 psi	24" Hq	2"	0.50 lb	100 ft	
1	G643-100	1.42	150	24	2	0.55	100	
1 <sup>1</sup> /4	G643-125	1.69	150	24	3	0.65	100	See
1 <sup>1</sup> /2	G643-150	1.97	150	24	3	0.85	100	Prices
2	G643-200	2.50	150	24	5	1.20	100	Online
2 <sup>1</sup> /2	G643-250	2.95	150	24	7	1.35	100	
3	G643-300	3.57	150	24	14	2.00	100	
4	G643-400	4.57	150	24	16	2.60	100	
5	G643-500	5.79	150	24	24	4.65	Multiples of 20 ft	
6	G643-600	6.69	150	24	32	5.10	Multiples of 20 ft	

Corrugated tank truck offers the same features as regular North Star, but the corrugated cover style allows for greater flexibility. In applications where the hose is regularly moved, or connected and disconnected, less force is required to bend this hose, making it easier to handle.

# G643C... NORTH STAR CORRUGATED TANK TRUCK

Tube: Black, nitrile rubber, suitable for all grades of gasoline and petroleum products with up to 50% aromatic content. Reinforcement: Heavy wire double helix embedded

between layers of synthetic textile cords plus built-in static wire.

**Cover:** Black, corrugated finish, oil, weather and abrasion resistant neoprene rubber.

Temperature Range: -40°C (-40°F) to 100°C (212°F).

<u>I.D.</u>	Part Number	0.D	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
2"	G643C-200	2.50"	150 psi	25" Hg	5"	1.35 lb	100 ft	
3	G643C-300	3.57	150	25	9	1.80	100	See
4	G643C-400	4.57	150	25	13	2.60	100	Prices Online
6	G643C-600	6.69	150	25	26	5.05	100	ontine
8	G643C-800	8.86	150	25	32	8.27	100	

G643C

Green Line Go.

G643

# TANK TRUCK HOSE



**Tube**: Smooth, black, oil resistant synthetic rubber. **Reinforcement**: High-tensile steel dual-wire helix embedded between textile cords.

**Cover:** Smooth, blue, oil, weather, abrasion and ozone resistant synthetic rubber.

**Temperature Range:** -55°C (-67°F) to 80°C (176°F) for products up to 30% aromatic content. -55°C (-67°F) to 70°C (158°F) for products up to 50% aromatic content.

**Not just another tank truck hose...** There are many to choose from, and they vary in price, weight, & flexibility (especially when it gets really cold). Today almost all of them are corrugated to maximize flexibility, but the corrugation is a natural weak point for the cover and tube to fail.

**ICE BLUE** is constructed in a special way to give the flexibility of a corrugated hose but the better service life of a smooth cover hose. You get:

- \* better abrasion resistance
- \* better resistance to UV and ozone cracking
- \* no snagging on corrugations when moving the hose
- **\*** equal flexibility to corrugated hoses
- \* better kink resistance
- \* a true polar temperature hose

G641BL



<u>I.D.</u>	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
2"	G641BL-200	2.56"	150 psi	29" Hg	6"	1.33 lb	100 ft	See
3	G641BL-300	3.56	150	29	9	2.07	100	Prices
4	G641BL-400	4.65	150	29	12	2.98	100	Online



G1641C is different from other PVC gasoline drop hoses currently found in the market. It has a unique polyurethane tube that combines the advantages of good chemical resistance, light weight, and low temperature flexibility. G1641C is now green to signify that it is suitable for use with ethanol (up to E98) and biodiesel fuels that conform to ASTM D6751 (up to B100). This product comes complete with a static wire to ensure positive grounding when properly coupled.

#### G1641C... URETHANE DROP HOSE

**Tube:** Clear polyurethane, suitable for gasoline and petroleum products with up to 50% aromatic content.

Reinforcement: Polyester fabric reinforcing with embedded copper static wire for positive grounding, and a green spiral PVC helix.

**Cover:** Clear urethane cover with distinctive green helix. Temperature Range: -40°C (-40°F) to 65°C (150°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	Vacuum Rating at 20°C	Bend Radius at 20°C	Weight per ft	Standard Length	
3" 4	G1641C-300 G1641C-400	3.78" 4.82	65 psi 65	28" Hg 28	6" 8	1.20 lb 1.70	100 ft 100	See Prices Online



4

#### G1640C... URETHANE VAPOR RECOVERY HOSE

Vapor recovery hoses are used on fuel delivery tankers to reduce hydrocarbon emissions at service stations and bulk terminals. G1640C has the same Bio Fuel approvals as G1641C, and the same added benefits that come from a urethane hose; it is lightweight, flexible in sub-zero weather, and abrasion resistant for long service life.

**Construction**: Clear polyurethane tube suitable for gasoline and petroleum products and vapors, supported by a yellow spiral PVC helix with embedded copper static wire for grounding. Temperature Pange:  $-\langle 0^{\circ} (\langle 40^{\circ} E \rangle) + 0.65^{\circ} (\langle 150^{\circ} E \rangle)$ 

			Iem	perature kang	<b>je:</b> -40°C (40°	r) 10 05 (15	U <sup>-</sup> F)
	Part	Pressu	Working Ire	Bend Radius	Weight	Standard	
I.D.	Number	0.D.	at 20°C	at 20°C	per ft	Length	
2"	G1640C-200	2.46"	17 psi	3.0"	0.51 lb	100 ft	See
3	G1640C-300	3.57	11	3.5	0.78	100	See Prices
/	C16/06 /00	1 61	0		1 10	100	Online



G1640C-400

4.61

9

#### G1600BC

Fits Hose I.D.	Part Number	Color	Weight Each	
2" 3	G1600BC-200 G1600BC-300	Clear Clear	0.34 lb 0.51	See Prices
4	G1600BC-400	Clear	0.72	Online

#### **BANDING COILS**

4.5

When attaching couplings to corrugated hoses, banding coils make band application easier and neater by creating a smooth surface for clamping. One banding coil can be cut in half to provide enough coil to couple both ends of a hose. The coil is threaded onto the hose helix at each end prior to fitting installation. Clamps are then applied over the coil and helix over the coil and helix.

100

1.10

Grounding: Any hose being used to transfer gasoline or gasoline vapors must be bonded to ground to prevent the risk of static build-up. Assemblers must be trained to correctly bond the copper static wire to the metal fittings and test the conductivity. Instructions are available upon request.

# G2641... COMPOSITE PETROLEUM HOSE

**Construction:** Layers of polypropylene fabrics and sealing films with galvanized steel inner and outer wires. G2641 is suitable for tank truck loading and discharge of petroleum products at temperatures up to 100°C (212°F).

Temperature Range: -40°C (-40°F) to 100°C (212°F).

**Note:** Working pressure is reduced at higher temperatures. Please consult us regarding use at elevated temperatures with specific fluids.

Pressure Test Charge: Extra at \$50.00 net per custom hose assembly for sizes 3" and 4" and \$75.00 net in size 6" for hydrostatic proof testing, stamping serial number on hose and providing test certificate. **Assemblies:** We offer popular pre-made assemblies from stock. Prices for these assemblies include testing.

Standard I.D.	Part Number	Working Pressure at 20°C	Vacuum Rating	Bend Radius	Weight per ft	Length	
3"	G2641-300	200 psi	29" Hg	11.0"	2.0 lb	100 ft	See
4	G2641-400	200	29	15.5	3.5	100	Prices
6	G2641-600	200	29	20.0	7.2	100	Online

# Assemblies with Male NPT Fittings

Hose	NPT	Lawath	Part	Weight	
Size	Size	Length	Number	Each	
4"	4"	10 ft	G2641-400MM10	38 lb	
		11	G2641-400MM11	42	See Prices
		12	G2641-400MM12	44	Online
		13	G2641-400MM13	47	
		14	G2641-400MM14	49	



Note: For more complete information about the care and handling of composite hoses, see the beginning of the Chemical Transfer section of this catalog

## PAS... POLYESTER ABRASION SLEEVE

We can supply composite hoses with a polyester sleeve jacket to provide extra wear resistance. The jacket is fixed at each fitting using punch clamps. The fabric is 1200 x 1200 denier polyester woven 24 threads per inch with a waterproof PVC backing. Custom sizes are available up to 18" diameter.

<u>I.D.</u>	Part Number	Description	Weight per ft	Standard Length	
4 <sup>1</sup> /2" 5 <sup>1</sup> /2"	PAS-450 PAS-550	Fits 3" composite hose Fits 4" composite hose	0.13 lb 0.15	150 ft 150	See Prices Online

G2641

eventater E2641 FETF

This hose is designed for applications where high flexibility is needed. G941WOR is recommended for use with most oil-based products at ambient temperature. It is ideal for vapour recovery and for oil spill cleanup. Not recommended for applications where a static wire is required.

# G941WOR... LIGHTWEIGHT OIL TRANSFER

**Construction:** Orange, flexible, thermoplastic supported by a rigid PVC helix.

**Interior**: Smooth, orange, oil resistant thermoplastic compound. **Exterior**: Oil resistant PVC, corrugated for increased flexibility.

Temperature Range: -20°C (-4°F) to 65°C (150°F).

	Part		Working Pressure		Vacuum Rating		Min. Bend	Weight	Standard	
<u>I.D.</u>	Number	0.D.	20°C	40°C	20°C	40°C	Radius	per ft	Length	
1 <sup>1</sup> /2"	G941WOR-150	1.92"	50 psi	25 psi	28" Hg	24" Hg	3"	0.31lb	100 ft	See
2	G941WOR-200	2.40	40	20	28	24	4	0.50	100	Prices Online
3	G941WOR-300	3.64	40	20	28	24	6	1.17	100	Untille

Our Hot Tar & Asphalt hose is designed for maximum heat resistance for use with hot materials used in road paving operations. G645 is rated to 175°C for maximum safety.

# G645... HOT TAR & ASPHALT

**Tube:** Black, neoprene rubber, formulated for maximum heat resistance.

**Reinforcement:** Heavy wire helix embedded between layers of synthetic textile cords

**Cover:** Black, wrapped finish, oil and heat resistant neoprene rubber.

Temperature Range: -29°C (-20°F) to 177°C (350°F).

G645

G941WOR

I.D.	Part Number	0.D.	Working Pressure	Vacuum Rating	Weight per ft	Standard Length	
3″	G645-300	3.75"	150 psi	29" Hg	2.80 lb	100 ft	See Prices Online

On an oil drilling rig, the blow-out preventer (BOP) is a valve system at the wellhead that can be activated quickly to close the space around the drill, or even completely close an open drill hole. There are multiple BOP valves used on each rig, and the valves are controlled hydraulically. When excessive pressure in the hole causes a "kick", the BOP is used to prevent a blow-out. Hoses that connect the BOP to the hydraulic system are required to have thick, flame resistant covers that allow them to survive in the case of a fire, so that the BOP still functions.

## 653... 3000 psi BLOW-OUT PREVENTER

Tube: Smooth, black, oil resistant nitrile rubber.

Reinforcement: Two braids of high tensile steel wire.

**Cover:** Red, thick, fire resistant neoprene rubber composite with wrapped finish.

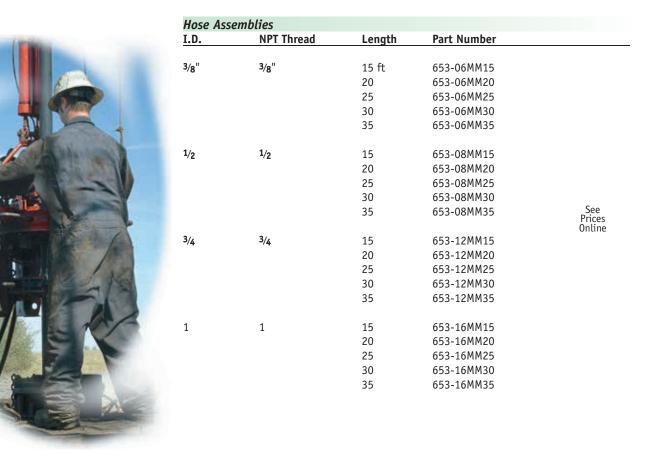
**Temperature Range:** -40°C (-40°F) to 120°C (248°F). Tested according to API16D requirements to withstand 700°C (1292°F) for more than 5 minutes at full working pressure. The hose tests for each size have been witnessed by Lloyd's Register.

**Couplings:** Use PULSAR male NPT crimp fittings. Contact your sales representative for current crimp specifications. Couplings must then be covered with flame resistant sleeve and BOP overferrules.

**Pressure Test Charge:** Extra at \$69.00 net per hose assembly for hydrostatic proof test, stamping serial number on hose and providing test certificate

# 12 3/4" 3000 PSI B.O.P. HOSE

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Approx. Reel Length	
3/8"	653-06	1.00"	5000 psi	0.60 lb	250 ft	
1/2	653-08	1.11	3000	0.73	250	See
3/4	653-12	1.40	3000	1.00	150	Prices Online
1	653-16	1.68	3000	1.55	150	



Green Line G663 Kelly Hose is rated to 3600 psi with a full 4:1 safety factor. G663 is manufactured in long lengths of up to 164 ft to minimize remnants when long assemblies are required.

#### G663... 3600 psi KELLY HOSE

Tube: Smooth, black, oil resistant synthetic rubber.Reinforcement: Four layers of high tensile steel spiral wire.Cover: Black, ozone and weather resistant synthetic rubber with superior abrasion resistance.

**Temperature Range:** -40°C (-40°F) to 120°C (248°F).

**Couplings:** Use PULSAR 4416API non-skive or 8600 series skive crimp fittings. Contact your sales representative for current crimp specification.

**Pressure Test Charge:** Extra at \$69.00 net per hose assembly for hydrostatic proof test, stamping serial number on hose and providing test certificate

I.D.	Part Number	0.D.	Working Pressure	Bend Radius	Weight per ft	Standard Length	
2″	G663-200	2.68″	3600 psi	28″	3.08 lb	164 ft	See

Prices Online

G663 A	ssemblies				
Hose	NPT			Weight	
size	size	Length	Part Number	Each	
2″	2″	15 ft	G663-200MM15	51 lb	See Prices
		20	G663-200MM20	66	Prices Online
		25	G663-200MM25	82	ontine
		30	G663-200MM30	97	

Six layers of spiral wire reinforcement make G665 our highest pressure Kelly hose. It has a full 4:1 safety factor and is supplied in lengths up to 50 metres (164 ft) to minimize scrap.

#### G665... 5000 psi KELLY HOSE

**Tube:** Smooth, black, oil resistant synthetic rubber **Reinforcement:** Six layers of high tensile steel spiral wire

**Cover:** Black, ozone and weather resistant synthetic rubber with brown stripe

**Temperature Range:** -40°C (-40°F) to 120°C (248°F)

**Couplings:** Use PULSAR 4416API or 8600 series interlock fittings for maximum strength. The picture shows an 8609HLU male cone insert with Figure 1502 nut. Exterior threaded ends are also stocked.

**Pressure Test Charge:** Extra at \$69.00 net per hose assembly for hydrostatic proof test, stamping serial number on hose and providing test certificate.

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Bend Radius	Weight per ft	Standard Length	
2"	G665-200	2.79"	5000 psi	25"	4.44 lb	164 ft	See Prices Online

G665

G663

350H XTT2N 0105510

Recorder hose assemblies are used to record data during well fracturing operations. The low volumetric expansion of 116 hose coupled with it's extremely high working pressure and tough urethane cover make it the ideal hose for this application. Fittings are factory installed and assemblies are 100% tested prior to use.

#### 116... RECORDER HOSE

Tube: Polyamide (Nylon).

**Reinforcement:** Two spiral layers of wire and one wire braid. **Cover:** Black polyurethane.

Fittings: Factory installed and tested male NPT.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F).

**Please Note:** All Recorder hose assemblies must be tested to 1<sup>1</sup>/<sub>2</sub> times working pressure before leaving our facilities at a cost of \$69.00 per assembly.

116



Often ducting, or standard air and water hoses are used for material handling. However, the hoses that are listed in this section are constructed to give superior performance over general duty hoses. For light-weight particle collection please also see the Ducting & Vacuum Section.

HTHALATI

EREE

Material handling service can vary from blowing lightweight insulation particles into walls, to carrying ore slurries across open pit mines. Different hose manufacturing technologies are chosen depending on the application. So Green Line offers a selection of material handling hoses incorporating specialized rubbers, PVC's, and urethanes in various constructions.

In general hoses are listed from lighter duty up to our heaviest hoses for extreme service.

#### G941WT & G941WE... PNEUMATIC TRANSFER

G941WT Pneumatic Transfer is designed for conveying powder, pellets or granular materials. The clear construction allows users to see any blockages and the food grade compound meets a variety of standards (see Food Section for complete details) so that this hose finds use in a variety of food handling applications. For example, in poultry processing, the 1"

size is very popular because of its flexibility. G941WT is also very popular in injection molding plants for conveying plastic pellets.

G941WE is very similiar but incorporates a copper static wire for grounding where movement of particles may cause a static build-up.

Other sizes, including some metric sizes used in plastic pellet transfer, are available on special order. Please enquire for details. **Construction:** Clear, flexible, food grade PVC supported by a clear, rigid PVC helix. Food grade compound complies with FDA, USDA, and 3-A Sanitary Standards (see Food Section for explanations of applicable standards). G941WE incorporates a copper static wire embedded next to the helix. Phthalate free. **Interior:** Abrasion resistant PVC with smooth bore to eliminate material build-up.

**Exterior:** Abrasion resistant PVC, corrugated for increased flexibility.

**Temperature Range:** -20°C (- 4°F) to 65°C (150°F).

Part		•		Vacuum Rating	Bend	Weight	Standard	
Number	0.D.	20°C	40°C	20°C	Radius	per ft	Length	
G941WT-100	1.30"	55 psi	30 psi	28"Hg	2"	0.21 lb	100 ft	
G941WT-125	1.60	50	25	28	2	0.28	100	See
G941WT-150	1.92	50	25	28	3	0.35	100	Prices
G941WT-200	2.40	40	20	28	4	0.56	100	Online
G941WT-300	3.64	40	20	28	б	1.10	100	
G941WE-150	1.83	50	25	28	5	0.49	60 or 100	
G941WE-200	2.40	40	20	28	4	0.58	60	
G941WE-250	2.99	40	20	28	5	0.88	60	
G941WE-300	3.64	40	20	28	6	1.25	60	
G941WE-400	4.72	35	18	24	10	1.92	60	
	Number           G941WT-100           G941WT-125           G941WT-150           G941WT-200           G941WT-300           G941WE-150           G941WE-200           G941WE-250           G941WE-300	NumberO.D.G941WT-1001.30"G941WT-1251.60G941WT-1501.92G941WT-2002.40G941WT-3003.64G941WE-1501.83G941WE-2002.40G941WE-2002.40G941WE-2002.40G941WE-2002.99G941WE-3003.64	Part         Pressure           Number         0.D.         20°C           G941WT-100         1.30"         55 psi           G941WT-125         1.60         50           G941WT-150         1.92         50           G941WT-200         2.40         40           G941WT-300         3.64         40           G941WE-150         1.83         50           G941WE-200         2.40         40           G941WE-200         3.64         40	NumberO.D.20°C40°CG941WT-1001.30"55 psi30 psiG941WT-1251.605025G941WT-1501.925025G941WT-2002.404020G941WT-3003.644020G941WE-1501.835025G941WE-2002.404020G941WE-2002.404020G941WE-2002.404020G941WE-2003.644020G941WE-3003.644020	Part         Pressure         Rating           Number         0.D.         20°C         40°C         20°C           G941WT-100         1.30"         55 psi         30 psi         28"Hg           G941WT-125         1.60         50         25         28           G941WT-150         1.92         50         25         28           G941WT-200         2.40         40         20         28           G941WT-300         3.64         40         20         28           G941WE-150         1.83         50         25         28           G941WE-200         2.40         40         20         28           G941WE-150         1.83         50         25         28           G941WE-200         2.40         40         20         28           G941WE-300         3.64         40         20         28 <td>Part         Pressure         Rating         Bend           Number         O.D.         20°C         40°C         20°C         Radius           G941WT-100         1.30"         55 psi         30 psi         28"Hg         2"           G941WT-125         1.60         50         25         28         2           G941WT-150         1.92         50         25         28         3           G941WT-500         2.40         40         20         28         4           G941WT-200         2.40         40         20         28         6           G941WT-300         3.64         40         20         28         5           G941WE-150         1.83         50         25         28         5           G941WE-200         2.40         40         20         28         4           G941WE-200         2.40         40         20         28         5           G941WE-200         2.40         40         20         28         5           G941WE-200         2.40         40         20         28         5           G941WE-200         2.99         40         20         28         5<td>Part         Pressure         Rating         Bend         Weight           Number         0.D.         20°C         40°C         20°C         Radius         per ft           G941WT-100         1.30"         55 psi         30 psi         28"Hg         2"         0.21 lb           G941WT-125         1.60         50         25         28         2         0.28           G941WT-150         1.92         50         25         28         3         0.35           G941WT-200         2.40         40         20         28         4         0.56           G941WT-300         3.64         40         20         28         6         1.10           G941WE-150         1.83         50         25         28         5         0.49           G941WE-200         2.40         40         20         28         6         1.10           G941WE-200         2.40         40         20         28         5         0.49           G941WE-200         2.40         40         20         28         5         0.88           G941WE-200         2.99         40         20         28         5         0.88</td><td>Part         Pressure         Rating         Bend         Weight         Standard           Number         0.D.         20°C         40°C         20°C         Radius         per ft         Length           G941WT-100         1.30"         55 psi         30 psi         28"Hg         2"         0.21 lb         100 ft           G941WT-125         1.60         50         25         28         2         0.28         100           G941WT-150         1.92         50         25         28         3         0.35         100           G941WT-200         2.40         40         20         28         4         0.56         100           G941WT-300         3.64         40         20         28         6         1.10         100           G941WE-150         1.83         50         25         28         5         0.49         60 or 100           G941WE-150         1.83         50         25         28         5         0.49         60 or 100           G941WE-200         2.40         40         20         28         4         0.58         60           G941WE-250         2.99         40         20         28</td></td>	Part         Pressure         Rating         Bend           Number         O.D.         20°C         40°C         20°C         Radius           G941WT-100         1.30"         55 psi         30 psi         28"Hg         2"           G941WT-125         1.60         50         25         28         2           G941WT-150         1.92         50         25         28         3           G941WT-500         2.40         40         20         28         4           G941WT-200         2.40         40         20         28         6           G941WT-300         3.64         40         20         28         5           G941WE-150         1.83         50         25         28         5           G941WE-200         2.40         40         20         28         4           G941WE-200         2.40         40         20         28         5           G941WE-200         2.40         40         20         28         5           G941WE-200         2.40         40         20         28         5           G941WE-200         2.99         40         20         28         5 <td>Part         Pressure         Rating         Bend         Weight           Number         0.D.         20°C         40°C         20°C         Radius         per ft           G941WT-100         1.30"         55 psi         30 psi         28"Hg         2"         0.21 lb           G941WT-125         1.60         50         25         28         2         0.28           G941WT-150         1.92         50         25         28         3         0.35           G941WT-200         2.40         40         20         28         4         0.56           G941WT-300         3.64         40         20         28         6         1.10           G941WE-150         1.83         50         25         28         5         0.49           G941WE-200         2.40         40         20         28         6         1.10           G941WE-200         2.40         40         20         28         5         0.49           G941WE-200         2.40         40         20         28         5         0.88           G941WE-200         2.99         40         20         28         5         0.88</td> <td>Part         Pressure         Rating         Bend         Weight         Standard           Number         0.D.         20°C         40°C         20°C         Radius         per ft         Length           G941WT-100         1.30"         55 psi         30 psi         28"Hg         2"         0.21 lb         100 ft           G941WT-125         1.60         50         25         28         2         0.28         100           G941WT-150         1.92         50         25         28         3         0.35         100           G941WT-200         2.40         40         20         28         4         0.56         100           G941WT-300         3.64         40         20         28         6         1.10         100           G941WE-150         1.83         50         25         28         5         0.49         60 or 100           G941WE-150         1.83         50         25         28         5         0.49         60 or 100           G941WE-200         2.40         40         20         28         4         0.58         60           G941WE-250         2.99         40         20         28</td>	Part         Pressure         Rating         Bend         Weight           Number         0.D.         20°C         40°C         20°C         Radius         per ft           G941WT-100         1.30"         55 psi         30 psi         28"Hg         2"         0.21 lb           G941WT-125         1.60         50         25         28         2         0.28           G941WT-150         1.92         50         25         28         3         0.35           G941WT-200         2.40         40         20         28         4         0.56           G941WT-300         3.64         40         20         28         6         1.10           G941WE-150         1.83         50         25         28         5         0.49           G941WE-200         2.40         40         20         28         6         1.10           G941WE-200         2.40         40         20         28         5         0.49           G941WE-200         2.40         40         20         28         5         0.88           G941WE-200         2.99         40         20         28         5         0.88	Part         Pressure         Rating         Bend         Weight         Standard           Number         0.D.         20°C         40°C         20°C         Radius         per ft         Length           G941WT-100         1.30"         55 psi         30 psi         28"Hg         2"         0.21 lb         100 ft           G941WT-125         1.60         50         25         28         2         0.28         100           G941WT-150         1.92         50         25         28         3         0.35         100           G941WT-200         2.40         40         20         28         4         0.56         100           G941WT-300         3.64         40         20         28         6         1.10         100           G941WE-150         1.83         50         25         28         5         0.49         60 or 100           G941WE-150         1.83         50         25         28         5         0.49         60 or 100           G941WE-200         2.40         40         20         28         4         0.58         60           G941WE-250         2.99         40         20         28

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G941WE

Multi-Purpose Transfer is designed for applications where high flexibility is required in a durable hose. G941W is popular for herring, salmon, and groundfish transfer on fish pumps. It is also excellent for conveying ice, wood shavings, and PVC pellets.

The flexible PVC portion is clear on all sizes so that hose contents are visible. In sizes 4" and up, a high molecular compound is used to provide increased wear and cold temperature flexibility.

#### G941W... MULTI-PURPOSE TRANSFER

**Construction**: Clear, flexible PVC, supported by a thick, grey, rigid PVC helix.

**Interior**: Smooth, abrasion and mild chemical resistant PVC. **Exterior**: Corrugated, abrasion, weather, and chemical resistant PVC.

**Temperature Range for Sizes 1" through 3":** -20°C (-4°F) to 65°C (150°F). **Temperature Range for Sizes 4" through 16":** 

-40°C (-40°F) to 65°C (150°F).

G941W

<u>I.D.</u>	Part Number	0.D.	Working 20°C	Pressure 40°C	Vacuur 20°C	n Rating 40°C	Bend Radius	Weight per ft	Standard Length	
1"	G941W-100	1.30	55 psi	35 psi	29" Hg	28" Hg	1"	0.21 lb	100 ft	
$1^{1}/4$	G941W-125	1.60	50	30	29	28	2	0.28	100	
$1^{1}/2$	G941W-150	1.85	50	30	29	28	2	0.34	100	
2	G941W-200	2.40	50	30	29	28	3	0.52	100	See
2 <sup>1</sup> /2	G941W-250	3.07	45	25	29	28	4	0.77	100	Prices Online
3	G941W-300	3.64	45	25	29	28	6	1.17	100	
4	G941W-400	4.76	35	18	29	28	8	1.92	100	
5	G941W-500	5.75	35	18	28	25	12	2.41	100	
6	G941W-600	7.00	30	15	28	25	14	3.75	Multiples	
8	G941W-800	9.18	30	15	28	25	24	5.97	of 10 ft	
10	G941W-1000	11.56	25	12	28	25	39	9.73	Multiples	
12	G941W-1200	13.64	20	10	28	25	59	12.74	of 10 ft	

Polyurethane is an amazingly durable and abrasion resistant material. Because of this feature, Urethane Blower hose can be very lightweight and flexible and yet stand up to abrasion that would wear out comparable PVC or polyethylene



hoses almost immediately. Urethane Blower hose is great for insulation blowing, lawn cleaning, leaf collection and abrasive material chutes. Polyurethane also remains flexible at very low temperatures.

#### G1740... URETHANE BLOWER

**Construction**: Translucent, thin, flexible polyurethane, supported by a rigid green PVC helix.

**Interior:** Highly abrasion resistant polyurethane that is smooth when laid straight.

**Exterior**: Hard, green PVC helix that protrudes above the clear tube to reduce resistance and abrasion when the hose is dragged.

**Temperature Range:** -40°C (-40°F) to 65°C (150°F).

	Part		Working	Pressure	Vacuum Rating	Bend	Weight	Standard	
I.D.	Number	0.D.	20°C	40°C	20°C	Radius	per ft	Length	
1 <sup>1</sup> /2"	G1740-150	1.82"	20 psi	7 psi	22"Hg	1.5"	0.23 lb	60 ft	
2	G1740-200	2.39	15	6	21	2.0	0.32	50	See Prices
2 <sup>1</sup> /2	G1740-250	2.89	10	5	19	2.5	0.40	50	Online
3	G1740-300	3.46	10	5	18	3.0	0.49	50	
4	G1740-400	4.50	8	4	13	4.0	0.77	50	

Abrasiv

Different technologies can achieve parallel results in hose manufacturing, often resulting in a confusing assortment of products to choose from. This is true for material handling hoses. Early products were heavy rubber hoses with natural rubber tubes for extreme applications (see G741 and G743). Then came thermoplastic rubber combined with PVC produced hoses such as G1340C and G1341C that offer lighter weight and a more economic solution. Most recently, urethane lined hoses such as G1741, G1741AMPH and G1741UBK combine the lightweight characteristics of PVC with the extreme abrasion resistance of urethane.

PHTHALATE

G1741 is for suction, discharge, and pneumatic transfer of abrasive materials. Urethane Bulk Material is recommended for sand and shot blast recovery lines, grain handling, roof rock cleaning, and milling machine metal recovery lines. This hose is much lighter than conventional rubber hoses because of its thermoplastic construction, yet remains flexible in the cold when general PVC hoses become too stiff to use.

#### G1741... URETHANE BULK MATERIAL

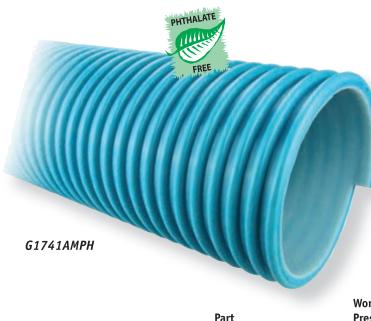
**Construction**: Clear polyurethane tube fused to high molecular-weight flexible PVC, and supported by a rigid PVC helix. **Interior**: Smooth, clear, ultra-abrasion resistant polyure-thane.

**Exterior:** Blue, convoluted, abrasion and weather resistant, high molecular-weight PVC compound.

**Temperature Range:** -40°C (-40°F) to 65°C (150°F).

G1741

I.D.	Part Number	0.D.	Working Pressure 20°C	,	Vacuum Rating 20°C	Bend Radius	Weight per ft	Standard Length	
1 <sup>1</sup> /2"	G1741-150	1.88"	50 psi	25 psi	29" Hg	3"	0.46 lb	100 ft	
2	G1741-200	2.44	40	20	29	4	0.65	100	See
2 <sup>1</sup> /2	G1741-250	3.12	40	20	29	5	0.89	100	Prices
3	G1741-300	3.70	40	20	29	6	1.32	100	Online
4	G1741-400	4.82	35	18	29	10	2.14	100	
5	G1741-500	5.81	35	18	28	15	2.66	100	



#### G1741AMPH... AMPHIBIAN HOSE

The thick urethane liner in G1741AMPH is specially compounded for wet service, making this hose excellent for sewer truck and hydro excavation applications. Urethane is not only very abrasion resistant, but also resists most animal and petroleum based oils. As a result, this product is useful in a variety of dry and wet material handling applications. In addition, the cover is compounded to dissipate static electricity for added safety.

**Construction**: Clear polyurethane tube fused to high molecular-weight flexible PVC, and supported by a rigid PVC helix. **Interior**: Abrasion, oil, and water resistant.

**Exterior**: Blue, convoluted, abrasion and weather resistant, high molecular-weight PVC compound.

**Temperature Range:** -40°C (-40°F) to 65°C (150°F).

	Part		Working Pressure		Vacuum Rating	Bend	Weight	Standard	
I.D.	Number	0.D.	20°C	40°C	20°C	Radius	per ft	Length	See – Prices Online
8"	G1741AMPH-800	9.18"	30 psi	50 psi	28" Ha	22"	5.91 lb	50 ft	Online

PHTHALAT

FRE

#### G1741UBK... URETHANE LINED BLACK

The urethane liner in G1741UBK hose provides excellent resistance to abrasion in a lightweight hose. It will provide long service in such dry applications as leaf blower, sandblast recovery, and grain vacuum. The use of ultra-high molecular weight PVC provides sub-zero flexibility.

**Construction:** Smooth polyurethane line covered with UHMW flexible PVC and supported by a rigid PVC helix.

**Temperature Range:** -40°C (-40°F) to 65°C (150°F).

G1741UBK

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<u>I.D.</u>	Part Number	0.D.	Working Pressure 20°C		Vacuum Rating 20°C	Bend Radius	Weight per ft	Standard Length	
4" 5	G1741UBK-400 G1741UBK-500	4.76" 5.69	35 psi 30	13 psi 10	29" Hg 28	6" 10	1.37 lb 2.28	100 ft 100	See Prices Online



#### G1745 & G1745R... AIR SEEDER HOSE

For air seeding applications, our standard G941H PVC water suction hose is very popular. You can find it in the water section in this catalog. However when longer life or a more flexible hose is required, we offer a corrugated urethane/PVC blend product. We stock it in both red and black to match machinery colours.

**Construction:** Clear, polyurethane tube fused to clear flexible PVC, and supported by a rigid PVC helix.

**Interior**: Smooth, abrasion resistant polyurethane. **Exterior**: Corrugated, abrasion and weather resistant PVC. **Temperature Range**: -20°C (-4°F) to 65°C (150°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	Vacuum Rating at 20°C	Minimum Bend Radius	Weight per Foot	Standard Length	
2 <b>1/2</b> " 2 <b>1/2</b>	G1745-250 G1745R-250	2.98" 2.98	25 psi 25	28" Hg 28	4" 4	0.49 lb 0.49	100 100	See Prices Online

# **ABRASIVE MATERIAL HOSE**



G1340C and G1341C have thermoplastic rubber liners that combine the advantages of rubber and PVC. The lighter version, G1340C, is typically used in dry applications, particularly grain vacuum. The heavier hose, G1341C is usually seen in the fall on municipal vacuum trucks where it is used to remove leaves and debris from plugged storm drains. Though most visible on leaf suction trucks, this hose is often used for conveying abrasive materials such as, grain, sand, gravel, cement, and crushed rock. Both hoses offer good abrasion resistance, good low temperature flexibility, and the ability to dissipate static electricity.

#### G1340C & G1341C... TPR BULK MATERIAL

**Construction:** Black, abrasion resistant thermoplastic elastomer material supported by a thick, rigid PVC helix.

**Interior:** Smooth, abrasion and mild chemical resistant thermoplastic elastomer material.

**Exterior:** Corrugated, abrasion, weather, and chemical resistant thermoplastic elastomer.

Temperature Range: -40°C (-40°F) to 65°C (150°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	Vacuum Rating at 20°C	Minimum Bend Radius	Weight per Foot	Standard Length	
G134	00							
4"	G1340C-400	4.55"	25 psi	25" Hg	9"	1.36 lb	100 ft	
5	G1340C-500	5.65	25	25	10	2.08	100	See
6	G1340C-600	6.78	25	25	12	2.86	100	Prices
G134	10							Online
2	G1341C-200	2.38	32	29	1.5	0.50	100	
3	G1341C-300	3.56	28	29	2.5	1.00	100	
4	G1341C-400	4.67	26	29	4.5	1.70	100	
5	G1341C-500	5.63	25	28	5.0	2.47	100	
6	G1341C-600	6.88	19	28	9.5	3.20	100	
8	G1341C-800	9.04	18	27	15.0	5.65	Multiples of 10 ft	

G1341H is rated up to 104°C and is typically used for slurry handling, fly ash collection, hydroexcavation, agricultural liquid fertilizer, and as the boom hose on sewer trucks. The steel helical wire provides strength and allows for use at higher temperatures without deformation while the specially formulated tube helps prevent the build-up of static electricity allowing for smooth material flow and added safety.

#### G1341H... HI-TEMP BULK MATERIAL

**Construction**: Black, abrasion resistant EPDM supported by a polyethylene helix with steel helical wire.

**Interior**: Smooth, abrasion and mild chemical resistant EPDM. **Exterior**: Corrugated, abrasion, weather and mild chemical resistant EPDM.

Temperature Range: -40°C (-40°F) to 104°C (220°F).

G1341H

<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	Vacuum Rating at 20°C	Minimum Bend Radius	Weight per Foot	Standard Length	
3"	G1341H-300	3.59"	40 psi	29" Hg	5.5"	1.33 lb	100	
4	G1341H-400	4.63	29	29	5.5	1.90	100	See Prices
5	G1341H-500	5.78	25	29	8.5	2.95	100	Online
6	G1341H-600	6.87	19	27	10.0	3.65	100	

### ABRASIVE MATERIAL HOSE

G722 Sandblast is designed to conduct sand, shot, glass beads, and other abrasives at high velocity. The tube is static conductive to prevent dangerous shocks and the outside diameter is designed to accept over-the-cover sandblast couplings. The life of a sandblast is greatly affected by velocity of flow and amount of hose bending. Typically, hoses will wear out on the outside radius of a curved hose, especially near the operator where it is continuously flexed. Selection of the correct nozzle size is important to prevent premature wear. Please see the chart below. Sandblast whip hoses are designed with a reduced outside diameter for extra flexibility to reduce operator fatigue. However, the tighter bends that occur with the smaller outside diameters will reduce hose life.

Of course the quality and thickness of the tube material also affect the life and the price of the hose. Be wary of less expensive sandblast hoses that may give false economy if they wear out faster. There is an international standard (DIN 53516) that measures abrasion loss of rubber. The rating for G722 is 70+/- 1.5 mm<sup>3</sup>. Wear rates of competitive hoses found in the market have been measured at 140 and more.

#### G722... SANDBLAST

Tube: Smooth, black, very abrasion resistant, static-conductive, natural rubber.

**Reinforcement:** Multiple layers of spiralled textile cords. Cover: Black, pin-pricked, abrasion and weather resistant Green Line G722 SANDBLAST rubber with wrapped finish.

HOSE

Temperature Range: -40°C (-40°F) to 95°C (203°F).

Part	0.D.	Working	Tube	Weight	Standard
Number		Pressure	Thickness	per ft	Length

I.D.	Number	0.D.	Pressure	Thickness	per ft	Length	
<sup>1</sup> /2"	G722-050	1.06"	150 psi	0.23"	0.32 lb	50 or 100 ft	
3/4	G722-075	1.50	150	0.27	0.61	50 or 100	
1	G722-100	1.88	150	0.31	0.96	50 or 100	
1 <sup>1</sup> /4	G722-125	2.17	150	0.31	1.15	50 or 100	
11/2	G722-150	2.38	150	0.30	1.26	50 or 100	See Prices
2	G722-200	2.88	150	0.31	1.55	50 or 100	Online
2 <sup>3</sup> /8	G722-238-315	3.15	150	0.31	1.54	65	
2 <sup>1</sup> /2	G722-250	3.44	150	0.31	2.01	50 or 100	
3	G722-300	4.06	150	0.31	2.74	50 or 100	
Whip	Hose						
1"	G722-100-150	1.50"	150 psi	0.28"	0.47	50 or 100	
11/4	G722-125-188	1.88	150	0.28	0.72	50 or 100	
3 <sup>′</sup> <b>Whip</b> 1"	G722-300 Hose G722-100-150	4.06 1.50"	150 150 psi	0.31 0.28"	2.74 0.47	50 or 100 50 or 100	

Sandblast Hose Size	Nozzle Type	Nozzle Diameter	Air Flow at 100 psi	Air Hose Size	Material Flow
1"	B4	1/4"	90 cfm	1 <sup>1</sup> /4"	540 lb/hr
11/4	UB5	<sup>5</sup> /16	150	11/4	900
11/4	UB6	3/8	200	11/2	1260
1 <sup>1</sup> /2	UB7	7/16	260	11/2	1750
1 <sup>1</sup> /2	UB8	1/2	350	2	2250

G722

The extremely abrasion resistant gum rubber tube in G741 allows it to stand up to most non-oily bulk materials such as gravel, sand, and fertilizers. The tube is also certified to FDA food grade standards, making it suitable for grains, corn, sugar, and other foodstuffs. Where static build-up is a problem, the built in static wire dissipates static electricity when properly grounded to couplings.

#### G741... GUM RUBBER MATERIAL TRANSFER

**Tube:** Smooth, tan, **3**/**16**" thick, ultra abrasion-resistant natural gum rubber that is certified to FDA standards.

**Reinforcement:** Double wire helix plus static wire embedded between layers of synthetic textile cords

**Cover:** Corrugated, brown, wrapped finish, weather and abrasion resistant rubber.

**Temperature Range:** -40°C (-40°F) to 70°C (158°F).

**Couplings:** Because natural rubber is quite soft, it is difficult to obtain good fitting retention with punch clamps or band & buckles. On pressure applications, G38 double bolt clamps may be required.

G741

I.D.	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
1 <sup>1</sup> /2"	G741-150	2.17"	75 psi	29" Hg	5"	1.13 lb	100 ft	
2	G741-200	2.72	75	29	7	1.54	100	See
2 <sup>1</sup> /2	G741-250	3.29	75	29	9	2.00	100	Prices
3	G741-300	3.76	75	28	12	2.32	100	Online
4	G741-400	4.77	75	28	16	2.97	100	
5	G741-500	5.79	75	28	23	3.95	100	
6	G741-600	6.88	75	28	28	5.24	100	
8	G741-800	9.02	75	28	40	7.77	20 or 50	

#### G725... DRY ICE HOSE

For environmental reasons, dry ice is becoming popular as an abrasive instead of sand, since it leaves no residue except the material removed during the blasting process. G725 is designed to remain flexible despite the cold temperatures inherent in using frozen carbon dioxide. Extreme caution is required during this process, since there is risk of frostbite and also of carbon dioxide buildup in the air in confined spaces.

G725

**Tube:** Smooth, black, anti-static synthetic rubber with excellent resistance to abrasion.

Reinforcement: Spiral layers of textile cords.

**Cover:** Black, anti-static, weather and ozone resistant synthetic rubber.

**Temperature Range:** -55°C (-67°F) to 130°C (266°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	See Prices
1"	G725-100	1.46"	150 psi	0.40 lb	50, 100 or 200 ft	Online

Abrasiv

### ABRASIVE MATERIAL HOSE



Groundhog Hose is a lightweight hose used for suction of sand, soil and a variety of other abrasive materials. Its flexible design makes it ideal for truck mounted hydrovac service for drain cleaning, daylighting, and other waste cleanup.

#### G742... GROUNDHOG MATERIAL HANDLING

**Tube**: Smooth, 3/16" thick, black, anti-static synthetic rubber with excellent resistance to abrasion.

**Reinforcement**: Double-wire helix plus synthetic spiral cords. **Cover**: Corrugated, black, weather resistant synthetic rubber. **Temperature Range**: -30°C (-22°F) to 70°C (158°F).

I.D.	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
6" 8	G742-600 G742-800	6.75" 8.75	45 psi 45	27" Hg 27	30" 40	3.02 lb 6.70	100 ft 50	See Prices Online

c/w soft cuff ends for easy installation, **Groundhog Hose** is also available in 32 foot lengths in our 8" size.

Soft Cuff Lengths									
I.D.	Length	Part Number	Weight	PRICE EACH					
8"	32 ft	G742-800X32	238 lb	\$3129.60					



Rhino Hose is our heaviest hose and is ideal for handling slurries, gravel, ore, groundfish, and other abrasive materials where conditions are severe. The corrugated cover is designed to fit an over-the-cover flange fitting system. Flanges feature corrugated coupling sleeves that fit tightly over the hose when flange halves are bolted together. This provides a full-flow coupling that can be installed in the field.

#### G743... RHINO MATERIAL HANDLING

**Couplings:** G79 couplings only. Regular barbed hose inserts are not recommended.

**Tube:** Smooth, tan, 3/8" thick, natural rubber.

**Reinforcement:** Double wire helix embedded between layers of synthetic spiral cords.

**Cover:** Corrugated, black, weather resistant rubber.

Temperature Range: -40°C (-40°F) to 70°C (158°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
3"	G743-300	4.50"	150 psi	29" Hg	18"	4.28 lb	100 ft	
4	G743-400	5.28	150	29	24	4.91	100	500
6	G743-600	7.40	150	29	36	8.69	100	See Prices
8	G743-800	9.57	150	29	69	11.42	40	Online
10*	G743-1000	11.34	150	29	79	13.28	40	
12	G743-1200	13.62	150	29	95	17.78	40	

\*Note: 10" size measures 9.85" actual I.D. to allow conformance to external coupling size while maintaining 3/8" tube thickness and 150 psi rating

# **ABRASIVE MATERIAL HOSE**

Gunite is a relatively dry mixture of sand and cement that is conveyed at high velocity through the hose to a nozzle. Sufficient water is added at the nozzle to produce a uniform concrete mixture with zero slump and high strength. G724 gunite hose is made with a natural rubber tube and cover for maximum flexibility, to reduce operator fatigue. The thick tan rubber tube provides excellent resistance to the highly abrasive concrete mixture.

#### G724... GUNITE HOSE

Tube: Smooth, tan, natural rubber.Reinforcement: Spiral layers of textile cords plus static wire.Cover: Tan, wrapped finish, natural rubber.

**Temperature Range:** -40°C (-40°F) to 70°C (158°F).

G724

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1 <sup>1</sup> /2" 2	G724-150 G724-200	2.38" 2.93	150 psi 150	1.33 lb 1.84	50 ft 50	See Prices Online

G772



Dry Cement Hose is a collapsible (soft-wall) hose which uses a highly abrasion-resistant natural rubber tube for maximum life in the conveying of bulk dry cement and other dry materials such as sand, gravel, limestone, and fertilizer.

#### G772 & 774... DRY CEMENT

**Tube:** We offer our lightweight G772 hose with a 1/8" thick tube, while G774 has a 1/4" thick tube. Both are black, abrasion-resistant, static conducting, natural rubber.

Reinforcement: Spiral layers of textile cords.

**Cover:** Black, abrasion and weather resistant rubber with wrapped finish.

**Temperature Range:** -40°C (-40°F) to 85°C (185°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
4"	G772-400	4.49"	80 psi	1.49 lb	100 ft	See
5	G772-500	5.47	80	1.86	100	Prices
4	G774-400	4.80	80	2.58	100	Online
5	G774-500	5.79	80	3.13	100	

Typically found on the end of concrete pump trucks, Green Line's Concrete Placement hose is specially designed to handle the most abrasive concrete applications. Available with fabric or wire reinforcement, G783 & G784 feature a wrapped, abrasion and weather resistant cover as well as a natural/SBR blend rubber tube.

# en Line G783-400 G783

#### G783 & G784... CONCRETE PLACEMENT HOSE

Tube: Smooth, black, abrasion resistant Natural/SBR blend rubber specially compounded for abrasion resistance.

Reinforcement: G783 spiral layers of textile cords

G784 spiral layers of steel wire

Cover: Black, abrasion and weather resistant Natural/SBR blend rubber wrapped finish.

Temperature Range: -40°C (-40°F) to 70°C (158°F).



	Part		Working	Weight	Standard	Bulk	
I.D.	Number	0.D.	Pressure	lb per ft	Lengths	Length	
Fabric	reinforced					-	
1 <b>1/2</b> "	G783-150	2.25"	1233 psi	0.97	50	100 ft	
2"	G783-200	2.75	1233	1.24	25,50	100 ft	
2 <b>1/2</b>	G783-250	3.38	1233	1.81	10,12,25,50	100	See Prices
3	G783-300	4.01	1233	2.49	10,12,20,25,50	100	Online
3 <b>1/2</b>	G783-350	4.68	1233	2.98	10,20,25,50	100	
4	G783-400	5.03	1233	3.23	10,12,20,25,50	100	
5	G783-500	6.14	1233	4.51	12,20,25,50	100	
Steel v	wire reinforced	l					
2"	G784-200	2.81	1450	2.60	25,50	100	
2 <sup>1</sup> / <sub>2</sub>	G784-250	3.35	1450	3.17	25,50	100	
3	G784-300	4.13	1233	4.22	10,20,25,50	100	
4	G784-400	5.12	1233	5.23	10,20,25,50	100	
5	G784-500	6.10	1233	6.35	12,20,25,50	100	

#### ••• CONCRETE HOSE ASSEMBLIES •••

Hose Size	Length	Part Number	Weight Each		Hose Size	Length	Part Number	Weight Each	
Fabric	reinforced	assemblies with heavy-du	uty ends		Steel v	vire reinfo	rced assemblies with he	avy duty ends	
2" 2	25 ft 50	G783-200HH25 G783-200HH50	40lb 71		2"	25 ft	G784-200HH25	74 lb	
2 2 <b>1/2</b>	50 25	G783-250HH25	58		2 2 <b>1/2</b>	50 25	G784-200HH50 G784-250HH25	139 96	
2 <b>1/2</b>	50	G783-250HH50	103		2 <b>1/2</b>	50	G784-250HH50	180	See Prices
3 3	10 12	G783-300HH10 G783-300HH12	40 45	See Prices	3 3	10 20	G784-300HH10 G784-300HH20	62 104	Online
3 3	20 25	G783-300HH20 G783-300HH25	65 77	Online	4 4	10 20	G784-400HH10 G784-400HH20	77 129	
3 <b>1/2</b> 3 <b>1/2</b>	10 12	G783-350HH10 G783-350HH12	54 61		5 5	12 20	G784-500MM12 (metric) G784-500MM20 (metric)	95 158	
3 <b>1/2</b> 3 <b>1/2</b>	20 25	G783-350HH20 G783-350HH25	84 99		Steel v	vire reinfo	rced assemblies fitted a	t one end only	/
4 4 4	10 12 20	G783-400HH10 G783-400HH12 G783-400HH20	54 60 86		3 4 5	10 10 12	G784-300HB10 G784-400HB10 G784-500MB12 (metric)	52 65 79	See Prices Online
4	25	G783-400HH25	102						
Fabric	reinforced	assemblies fitted at one	end only		TIM	m	1 Ca	G	784 Assembly
3	10	G783-300HB10	33			Contract I			764 Assembly
3 <b>1/2</b> 3 <b>1/2</b>	10 10	G783-350HB10 G783-350HTB10(4"tapered)	42 42	See Prices					
4 5 5	10 12 12	G783-400HB10 G783-500HB12 G783-500MB12 (metric)	43 76 77	Online	G783	Assembly			61
2									

### CHEMICAL TRANSFER

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### **CHEMICAL TRANSFER HOSE**

Composite Hose manufacturing represents a radical departure from conventional hose building technologies. The unique construction method used to make composite hose results in an extremely lightweight and flexible finished product. A choice of construction materials allows production of hoses to handle a wide variety of chemical and petroleum products.

Composite hose consists of multiple layers of thermoplastic film and fabric trapped between internal and external helix wires. The internal wire supports the fabric layers and provides resistance to vacuum in suction applications. Film layers and fabric layers provide sealing and strength to handle pressure applications. By combining different films and fabrics in various ways, it is possible to produce hoses with a tremendous range of chemical resistance, working temperatures and pressures. The unique construction of composite hose requires the use of specially designed

fittings and assembly methods. Swaged on fittings are available in carbon and stainless steel as well as other materials, and are attached using steel ferrules and a choice of nitrile, butyl, or Viton<sup>®</sup> seals.

We stock the two most popular configurations of composite hose to cover the majority of applications. Many other products are available, including vapor recovery, bottom loading, USCG marine specification, PTFE lined and cryogenic hoses. Another unique product is FIRESAFE hose, used for fire resistance in critical applications. This product uses non-asbestos barriers that, even after 30 minutes of fire at 785°C (1450°F), keep the hose carcass intact and capable of holding product. FIRESAFE hose is used in many safety critical applications, including refueling Formula One race cars. Please consult us with your custom applications.

**Note:** Hoses are assembled with carbon steel ferrules and nitrile rubber seals unless otherwise specified.



Note: Composite hoses for petroleum transfer are listed in the Petroleum & Oilfield section of this catalog.



#### G2841... COMPOSITE CHEMICAL TRANSFER

**Construction:** Layers of polypropylene fabrics and sealing films with polypropylene coated steel inner wire and galvanized steel outer wire.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F). Note that working pressure is greatly reduced at higher temperatures. Please contact us with specific chemical/temperature applications.

**Pressure Test Charge:** Extra at \$40.00 net per custom hose assembly for sizes up to 2", \$50.00 net in sizes 3" and 4", and \$75.00 net in size 6" for hydrostatic proof testing, stamping serial number on hose and providing test certificate.

Standard I.D.	Part Number	Working Pressure at 20°C	Vacuum Rating	Bend Radius	Weight per ft	Length	
1 <sup>1</sup> /2"	G2841-150	200 psi	29" Hg	5.5"	0.8 lb	60 ft	
2	G2841-200	200	29	7.0	1.3	100	See
3	G2841-300	200	29	11.0	2.0	100	See Prices Online
4	G2841-400	200	29	15.5	3.2	100	Untine
6	G2841-600	200	29	20.0	7.2	100	

G2841

#### G2847... COMPOSITE HOSE FOR AGGRESSIVE CHEMICALS

**Construction:** Layers of ECTFE (Ethylene Chlor Tri Fluoro Ethylene) sealing film reinforced with polyester fabrics. ECTFE is a high tech fluoropolymer very similar to PTFE (Teflon<sup>®</sup>) in chemical resistance but with the advantages of low permeability and high mechanical strength. Type 316 stainless steel inner wire and galvanized steel outer wire.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F). Note that working pressure is greatly reduced at higher temperatures. Please contact us with specific chemical/temperature applications.

**Pressure Test Charge:** Extra at \$75.00 net per custom hose assembly for hydrostatic proof test, stamping serial number on hose and providing test certificate.

Standard I.D.	Part Number	Working Pressure at 20°C	Vacuum Rating	Bend Radius	Weight per ft	Length	See Prices
6"	G2847-600	200 psi	29" Hg	20"	7.2 lb	100 ft	Online

#### Notes on the Use of Composite Hose... SELECTION:

Hose applications can be tough, and it is never advisable to select a hose that will be subjected simultaneously to pressure, temperature, and bending radius at the upper limits of its specification. Please contact us for advice on such applications.

#### INSTALLATION:

G2847

Incorrect installation may greatly shorten the working life of a hose assembly. In particular, care should be taken so that:

• hose assemblies are not twisted in installation or in use

• hoses that flex in use are routed so that all flexing occurs in the same plane

• minimum bend radius is not exceeded

• the hose insert is held when attaching threaded adapters. Twisting the insert in the hose will ruin the seal.

#### HANDLING:

Ropes should not be used to support a composite hose, as they may displace the wire helix. Always use hose slings or supports to spread the load on the hose surface.

#### CLEANING:

Hoses should be cleaned after use and before testing. The method used will depend upon service and hose type. The maximum working temperature of the hose should not be exceeded, and steam lances should not be used. Hoses should be electrically grounded during cleaning.

#### STORAGE:

After service, hoses should be flushed and drained. Ideally, hoses not in use should be stored off the ground in a straight line in a cool shaded area.

#### Testing & Inspection of Composite Hose... TESTING:

Every six months, composite hoses should be checked for electrical continuity using the following procedure: 1.Lay hose flat on the ground. 2. Check that the hose is electrically continuous from end to end. A battery light can be used, however ideally an ohmmeter can be used. Electrical resistance should not exceed 10 ohms. Every six months for chemical hoses, and every twelve months for tank truck hoses, hoses should be pressure tested as follows:

1. Drain and clean the hose assembly.

2. Inspect the hose for damage. Hoses that show significant physical damage should not be tested.

3. Lay the hose out straight, with room for elongation under pressure.

4. Blank off one end and fill the hose with water. Take care to make sure all of the air is removed from the hose before pressurizing.

5. Raise to the appropriate test pressure and hold. Inspect for leaks and test for electrical continuity.

6. Release pressure and drain. Mark the hose with test date and details of test.

Note: Elongation of a composite hose under pressure is a feature of its design. Elongation is high compared with conventional rubber hoses and cannot be used as an assessment of the condition of a composite hose.

#### INSPECTION:

Before use, hoses should be visually inspected for the following:

- 1. Displacement of the reinforcing wires from their normal pitch.
- 2. Abrasion or corrosion of the outer wire.
- 3. Abrasion of the reinforcing fabrics under the outer cover.
- 4. Dents or kinks.
- 5. Damage or displacement of end fittings.
- 6. Evidence of leakage at the end fittings.

#### **REPAIRS**:

Specialized procedures are required for fitting attachment and hose repair. Please contact us for hose repairs.

Chemica

### CHEMICAL TRANSFER HOSE

Cross-Link Chemical Hose solves most chemical handling problems. The tube compound is resistant to 90% of chemicals, solvents, and petroleum products used in industry. The heavy wall resists kinking and crushing for extra safety.

Safety Note: Please consult chemical resistance information for suitability of use with a given product. For dangerous or environmentally harmful chemicals it is always advisable to test the tube material under service conditions prior to field use. For maximum service life, hoses should be drained & flushed out after each use.

Green Line G841 CROSS-LINK CHEMICAL HOSE

#### G841... CROSS-LINK CHEMICAL HOSE

**Tube:** Smooth, translucent, cross-linked polyethylene (XLPE). **Reinforcement:** Heavy wire helix embedded between layers of synthetic textile cords

Cover: Green, chemical, weather and abrasion resistant EPDM rubber with wrapped finish.

Temperature Range: -20°C (-4°F) to 70°C (158°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	Vacuum Rating	Minimum Bend Radius	Weight per ft	Standard Length	
3/4"	G841-075	1.28"	200 psi	29" Hg	5"	0.56 lb	100 ft	
1	G841-100	1.50	200	29	6	0.71	100	
1 <sup>1</sup> /4	G841-125	1.77	200	29	9	0.86	100	See Prices
$1^{1}/2$	G841-150	2.05	200	29	12	1.08	100	Online
2	G841-200	2.66	200	29	15	1.53	100	
2 <sup>1</sup> /2	G841-250	3.09	200	29	18	1.83	100	
3	G841-300	3.66	200	29	30	2.41	50 or 100	
4	G841-400	4.86	200	29	40	4.00	50 or 100	

UHMW stands for Ultra High Molecular Weight and refers to the weight and size of the polyethylene molecules that make up the tube of the hose. Larger, heavier molecules are very impervious to chemical attack and permeation. The result is that a relatively thin tube G842 250 PSI CHEM KONG UHMW CHEMICAL HOSE can provide excellent chemical resistance and a higher temperature range. Chem Kong will handle 98% of common industrial chemicals and is much more flexible than G841 and other cross-linked polyethylene hoses.

#### G842... CHEM KONG UHMW CHEMICAL HOSE

**Tube:** White, smooth, ultra high molecular weight polyethylene (UHMWPE) backed with compatible EPDM rubber layer.

**Reinforcement:** Dual wire helix between layers of synthetic textile cords.

Cover: Green, chemical, weather and abrasion resistant EPDM rubber with wrapped finish.

**Temperature Range:** -40°C (-40°F) to maximum temperature limitation 121°C (250°F) for most chemicals.

<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	Vacuum Rating	Minimum Bend Radius	Weight per ft	Standard Length	
1"	G842-100	1.47"	250 psi	29" Hg	4"	0.53 lb	100 ft	
$1^{1}/4$	G842-125	1.78	250	29	4	0.75	100	See
1 <sup>1</sup> /2	G842-150	2.08	250	29	4	0.96	100	Prices
2	G842-200	2.58	250	29	6	1.30	100	Online
3	G842-300	3.66	200	29	9	2.09	100	
4	G842-400	4.70	200	29	12	2.99	100	

**Safety Note:** Please consult chemical resistance information for suitability of use with a given product. For dangerous or environmentally harmful chemicals it is always advisable to test the tube material under service conditions prior to field use. For maximum service life, hoses should be drained & flushed out after each use. Maximum pressure ratings are based on using permanently swaged or crimped fittings rather than band clamps.

G842

# **CHEMICAL TRANSFER HOSE**

G1821 Paint and Solvent Spray has a special tube that is resistant to a wide variety of paints, lacquers, and solvents (see partial list below). It is lightweight and remains flexible at very low temperatures to minimize operator fatigue. G1821 is compatible with paint fittings such as Binks and DeVilbiss and is popular for robotic or manual paint spraying, automobile rustproofing, and chemical transfer.

G1821

### G1821... PAINT & SOLVENT SPRAY

**Tube:** Smooth, blue co-extrusion of polyethylene and thermoplastic rubber, compounded for paint and solvent resistance. **Reinforcement:** High-tensile spiralled yarn.

**Cover:** Smooth, black thermoplastic rubber (TPR) blend. **Temperature Range:** -40°C (-40°F) to 50°C (122°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	at 50°C	Weight per ft	Approx. Reel Length	
<sup>1</sup> /4"	G1821-025	0.50"	175 psi	85	0.07 lb	500 ft	
3/8	G1821-038	0.68	175	85	0.12	500	See
1/2	G1821-050	0.88	175	85	0.19	500	Prices Online
3/4	G1821-075	1.19	150	75	0.28	300	ontine
1	G1821-100	1.50	125	60	0.43	200	

G1821 has excellent solvents a	resistance to the following nd paint bases:
Acetone Alcohols	Butyl Acetate
Butyl Cellosolve	Di-Acetone
Alcohol	Ethyl Acetate
Ethyl Glycol	Kerosene
Methyl Ethyl Ketone (MEK)	Methylene Chloride
M.I.B.K.	Mineral Spirits
Naptha	Solvesso Stoddard
Solvent Toluol (Toluene)	Turpentine
Varsol	Water Xylol (Xylene)



G1850 Airless Paint Spray uses a wire braid for maximum operator safety. The wire is protected by urethane, which is an extremely abrasion-resistant product that also stays flexible at low temperatures. The nylon tube is resistant to a wide variety of solvents, chemicals, and paints.

Assemblies are permanently fitted with female NPSM (straight pipe) swivel ends. Whip hoses are female NPSM at one end and male NPT at the other. All assemblies are factory crimped and are electrically conductive to avoid static build-up.

**Note:** Paint at high pressure is a dangerous and potentially lethal product. Never approach a leaking hose, and never try to stem the flow of a leaking hose. Once a hose has been used, crimp fittings cannot be installed.

NEVER ATTEMPT TO REPAIR AN AIRLESS PAINT SPRAY HOSE.

#### G1850... WIRE BRAID PAINT SPRAY

Tube: Smooth extruded Nylon 6.

**Reinforcement:** Brass coated high-tensile steel wire. Sizes 3/16" and 1/4" have one wire braid while the 3/8" has two wire braids separated by a thermoplastic cushioning layer.

**Cover:** Smooth, blue, abrasion-resistant pin-pricked polyurethane.

**Temperature Range:** -40°C(-40°F) to 100°C (212°F)

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Bend Radius	Weight per ft	
<sup>3</sup> /16"	G1850-03	0.37"	5000 psi	1.2"	0.08 lb	See
1/4	G1850-04	0.46	5000	1.6	0.11	Prices
3/8	G1850-06	0.67	5500	5.1	0.28	Online
<u>I.D.</u>	Thread	Length	Part Number	W	eight each	
Hose Ass	semblies					
<sup>3</sup> /16"	1/4"	3 ft	G1850-03FF3	0.	5 lb	
<sup>3</sup> /16	1/4	10	G1850-03FF10	1.	0	
<sup>3</sup> /16	1/4	12	G1850-03FF12	1.	2	
<sup>3</sup> /16	1/4	15	G1850-03FF15	1.	4	See Prices
1/4	1/4	3	G1850-04FF3	0.	6	Online
1/4	1/4	6	G1850-04FF6	1.	0	
1/4	1/4	10	G1850-04FF10	1.	3	
1/4	1/4	15	G1850-04FF15	1.	9	
1/4	1/4	25	G1850-04FF25	3.	1	
1/4	1/4	30	G1850-04FF30	3.	5	
1/4	1/4	50	G1850-04FF50	5.	8	
1/4	1/4	100	G1850-04FF100	11	1.2	
<sup>3</sup> /8	<sup>3</sup> /8	10	G1850-06FF10	3.	2	
<sup>3</sup> /8	3/8	25	G1850-06FF25	7.	4	See
<sup>3</sup> /8	<sup>3</sup> /8	50	G1850-06FF50	14	4.4	Prices Online
<sup>3</sup> /8	<sup>3</sup> /8	100	G1850-06FF100	28	3.4	
Hose Wh	ips					
<sup>3</sup> /16	1/4	3	G1850-03MF3	0.	5	
<sup>3</sup> /16	1/4	6	G1850-03MF6	0.	8	
1/4	1/4	6	G1850-04MF6	0.	9	

emical

G961 Agricultural Spray hoses handle a wide range of "wettable powder" type chemicals encountered in fertilizer, insecticide, and herbicide spraying (not designed for aromatic hydrocarbons, eg: xylene). G961 is used in nurseries and orchards as well as for roadside spraying and lawn care applications. The green G981 provides two extra features; higher working pressure, and tube made from a blend of PVC and polyurethane. The urethane compound in G981 provides excellent resistance to hydrocarbon based chemicals such as those found in tree spraying and some other applications. So the general rule of thumb is, if the spray came from a powder, use either hose, but if the spray came in liquid form, check the ingredients carefully - G981 may be the best choice.

#### G961 & G981... AGRICULTURAL SPRAY

#### Tube:

G961- Smooth, yellow, chemical resistant PVC.

G981– Smooth, black, Hydrocarbon resistant PVC/Polyurethane blend.

**Reinforcement:** High-tensile spiralled yarn with longitudinal cords to resist elongation.

**Cover:** Both hoses feature abrasion, weather and ozone resistant PVC, fluted (ribbed) for extra wear resistance and to reduce dragging friction. G961 is bright yellow and G981 is green.

### Temperature Range: -4°C ( 25°F) to 80°C (176°F).

**Fittings:** G961 and G981 are high pressure hoses that require special coupling methods. Please contact us for current crimp charts using PULSAR hydraulic crimp fittings.



<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	Weight per ft	Standard Length	
<sup>3</sup> /8"	G961-038	0.63"	600 psi	0.11 lb	300 ft	See
1/2	G961-050	0.79	600	0.15	300	Prices
3/4	G961-075	1.07	600	0.27	300	Online
<sup>3</sup> /8	G981-038	0.65	800	0.14	300	
<sup>1</sup> /2	G981-050	0.85	800	0.22	300	







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Food Hoses all require a tube that will not contaminate the food product being conveyed. In the same way that rubbers and thermoplastics are formulated to handle different chemicals, gases or materials, they are also made to suit various foods. For example, oily products will require an oil-resistant tube compound, while other hoses may be formulated more for heat or abrasion resistance. As well as the specialty hoses listed here, Green Line offers a variety of unreinforced tubing styles that are made from food grade compounds. Included in these is clear vinyl tubing, which is widely used for the transfer of wine, beer, and other fluids. Please see the Tubing Section for information on these products.

CRFE

Vinylite hose is extremely versatile. Its clear, non-toxic tube makes it an excellent choice for marine drinking water lines, juice and beverage dispensing, potable water supply, or in food processing applications. G911 is crystal-clear so operators can see through the hose to detect flow or product blockages. The hose is also resistant to mild acid and alkali solutions. These features make Vinylite hose ideal for many industrial applications such as light-duty air and washdown hose, feed lines on carpet-cleaning equipment, vacuum lines on packaging machinery, and pneumatic lines on air-operated equipment.

#### G911... VINYLITE®

**Tube:** Clear, slightly blue tinted PVC that is formulated with ingredients in compliance with FDA, USDA, 3A, and California Proposition 65 requirements. Phthalate free.

**Reinforcement:** High-tensile spiralled polyester yarn with two blue longitudinal tracers to identify the hose as food grade.

**Cover:** Smooth, clear with a blue tint, abrasion and weather resistant PVC, that is certified to FDA standards.

**Temperature Range:** -5°C (23°F) to 65°C (149°F).

I.D.	Part Number	0.D.	Worki at 20°C	ng Pressure at 50°C	Weight per ft	Standard Length	
1/8"	G911-013	0.33"	350 psi	200 psi	0.04 lb	300 ft	
3/16	G911-019	0.38	250	150	0.06	300	
1/4	G911-025	0.44	250	150	0.06	100 or 300	
5/16	G911-031	0.53	250	135	0.08	300	See
3/8	G911-038	0.59	225	125	0.09	100 or 300	Prices Online
1/2	G911-050	0.75	200	100	0.13	100 or 300	ontine
5/8	G911-063	0.89	200	100	0.18	200	
3/4	G911-075	1.03	150	85	0.22	100 or 200	
1	G911-100	1.30	125	75	0.30	100 or 200	
1 <sup>1</sup> /4	G911-125	1.62	100	55	0.45	100	
1 <sup>1</sup> /2	G911-150	1.94	100	50	0.64	100	
2	G911-200	2.49	75	35	0.94	100	

# FOOD & BEVERAGE HOSE

G941PS Poly-Spring uses a steel wire embedded in the hose wall to make a heavy-duty PVC suction and discharge hose suitable for a wide variety of food products. Poly-Spring will work in applications where soft-walled clear vinyl tubing and textile reinforced hoses do not provide the needed vacuum or kink resistance. Poly-Spring is used for milk, syrup, juices, wine, and food transfer applications. Its ability to withstand tight bends makes it useful for water lines in boats where space is tight.

#### G941PS... POLY-SPRING

**Construction:** Clear, flexible, food grade PVC supported by a steel spring wire. Food grade compound complies with FDA, USDA, 3A, and California Proposition 65 requirements. Phthalate free.

**Interior:** Food-grade, abrasion resistant PVC with smooth bore for unrestricted flow.

**Exterior**: Smooth, food-grade, abrasion resistant PVC. **Temperature Range**: -5°C (23°F) to 65°C (149°F).



Working Vacuum Min. Pressure Bend Weight Standard Part Rating I.D. Number 0.D. 20°C 50°C 20°C Radius per ft Length 1/4" G941PS-025 0.45" 1" 150 psi 70 psi 29" Hq 0.07 lb 100 ft 3/8 G941PS-038 100 70 1.5 0.60 29 0.11 100 See 1/2 G941PS-050 100 70 29 2 100 0.74 0.15 Prices Online 5/8 G941PS-063 0.86 100 50 29 100 2.5 0.18 3/4 G941PS-075 1.03 70 50 29 0.25 100 3 1 G941PS-100 1.29 70 35 29 4 0.32 100

Commonly used in beer and soft-drink dispenser systems, the special dual durometer construction of G902 allows for greater kink resistance than our traditional tubing while maintaining excellent taste protection properties. The clear tubing is commonly used for beverage transfer while the red is commonly used for air or carbon dioxide supply. Black tubing is available upon special request.

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G902

#### G902... BEVERAGE TUBING

**Construction:** Dual durometer tubing using clear food grade PVC inner contact surface that is in compliance with FDA (CFR Title Parts 170 to 199) and clear or red PVC outer layer. Phthalate free. **Temperature Range:** -4°C (25°F) to 65°C (149°F).

	<u>I.D.</u>	Part Number	0.D.	Wall Thickness	Working Pressure at 20°C	Weight per ft	Standard Length	
	Clear <sup>3/16</sup> " 1/4	G902-019-044 G902-025-050	7/ <sub>16</sub> " 1/2	1/4" 1/4	80 psi 70	0.067 lb 0.080	100 ft 100	
	3/8 Red	G902-038-063	5/8	1/4	50	0.107	100	See Prices Online
PHTHALATE	5/16	G902R-031-056	9/ <sub>16</sub>	1/4	60	0.094	100	

Clear Food Transfer is a heavy-duty PVC suction and discharge hose suitable for a wide variety of food products. Not only is it made with a non-toxic, food grade compound, but it meets further strict criteria set by U.S. government agencies for hoses used in meat and poultry plants, and for use with dairy products. Clear Food Transfer is used for milk, syrup, juices, wine, and food transfer applications.

#### **G941FT... CLEAR FOOD TRANSFER**

**Construction**: Clear, flexible, food grade PVC supported by a clear, rigid PVC helix. Food grade compound complies with FDA, USDA, and 3-A Sanitary Standards. Phthalate free.

**Interior:** Food-grade, abrasion resistant PVC with smooth bore for unrestricted flow.

Exterior: Smooth, food-grade, abrasion resistant PVC.

**Temperature Range:** -20°C (-4°F) to 65°C (150°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure 20°C	40°C	Vacuum Rating 20°C	Bend Radius at 20°C	Weight per ft	Standard Length	
3/4"	G941FT-075	0.94"	115 psi	75 psi	29" Hg	3"	0.17 lb	100 ft	
1	G941FT-100	1.28	100	70	29	3	0.24	100	
1 <sup>1</sup> /4	G941FT-125	1.56	90	65	29	4	0.44	100	See Prices
11/2	G941FT-150	1.80	85	60	29	б	0.50	100	Online
2	G941FT-200	2.36	85	60	29	8	0.71	100	
2 <sup>1</sup> /2	G941FT-250	2.88	65	45	29	10	0.94	100	
3	G941FT-300	3.42	55	40	29	11	1.14	100	
4	G941FT-400	4.51	50	35	29	18	1.91	100	



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# FOOD & BEVERAGE HOSE

This food grade PVC suction and discharge hose was originally designed for milk transfer from dairy farm into tank trucks, where a lightweight, tight-coiling hose is required to fit the tanker hose storage cabinet. Today it is popular for a wide variety of fluid transfer applications where a food grade hose is required, but a heavy-duty hose like G941FT or G1041C is not required. Typically G941MILK is found in wineries and juice production facilities facilities along with G941WINE.

#### G941MILK... FOOD TRANSFER

**Construction:** Clear, flexible, food grade PVC supported by a rigid white PVC helix. Compounds used comply with FDA (CFR Title 21 Parts 170 to 199), USDA (for use in meat and poultry plants), and 3-A Sanitary Standards (No. 20-15, multi-use plastic materials as product contact surfaces in equipment for production, processing, and handling of milk and milk products). Phthalate free.

**Temperature Range:**  $-20^{\circ}$ C ( $-4^{\circ}$ F) to  $65^{\circ}$ C ( $150^{\circ}$ F). Low temperature version rated to  $-40^{\circ}$ C ( $-40^{\circ}$ F).



THALAT

					vacuum				
TD	Part Number	0.0		ing Pressure	•	Bend Radius	Weight	Standard	
I.D.	Number	0.D.	20°C	40°C	at 20°C	Raulus	per ft	Length	
G941MI	ILK								
1 <b>1/2</b> "	G941MILK-150	1.79″	75 psi	50 psi	29″ Hg	4″	0.43 lb	100 ft	
2	G941MILK-200	2.33	75	50	28	6	0.65	100	See
3	G941MILK-300	3.42	55	40	28	11	1.08	100	Prices Online
G941MI	LKLT Low Temperate	ure Versio	on						
2	G941MILKLT-200	2.33	75	50	28	5	0.65	100	
2 <b>1/2</b>	G941MILKLT-250	2.87	55	40	28	8	0.84	100	

Typically found in wineries and juice production facilities, G941WINE can be used for a variety of food transfer applications such as wine, juice, beer, soda, syrup, and dairy products, while the red PVC helix allows this hose to be distinguished from others that may be in use.

#### **G941WINE... WINE & BEER TRANSFER**

**Construction:** Clear, flexible, food grade PVC supported by a rigid red PVC helix. Compounds used comply with FDA (CFR Title 21 Parts 170 to 199), USDA (for use in meat and poultry plants), and 3-A Sanitary Standards (No. 20-15, multi-use plastic materials as product contact surfaces in equipment for production, processing, and handling of milk and milk products). Phthalate free. **Temperature Range:** -20°C (-4°F) to 65°C (150°F).



<u>I.D.</u>	Part Number	0.D.	Working 20°C	Pressure 40°C	Vacuum Rating at 20°C	Bend Radius	Weight per ft	Standard Length	
1"	G941WINE-100	1.28"	100 psi	70 psi	29" Hg	3"	0.24 lb	100 ft	
38 mm	G941WINE-150	1.81	75	50	29	4	0.43	100	See Prices
50 mm	G941WINE-200	2.30	75	50	28	6	0.65	100	Online
3"	G941WINE-300	3.42	55	40	28	11	1.08	100	

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G941WT Pneumatic Transfer is designed for conveying powder, pellets or granular materials. The clear construction allows users to see any blockages and the food grade compound meets FDA, USDA, and 3-A Sanitary Standards so that this hose finds use in a variety of food handling applications. For example, in poultry processing, the 1" size is very popular because of its flexibility. G941WT is also very popular in injection molding plants for conveying plastic pellets. G941WE is very similar but incorporates a copper static wire for grounding where movement of particles may cause a static build-up. Other sizes, including some metric sizes used in plastic pellet transfer, are available on special order. Please enquire for details.

#### G941WT & G941WE... PNEUMATIC TRANSFER

**Construction:** Clear, flexible, food grade PVC supported by a clear, rigid PVC helix. Food grade compound complies with FDA, USDA, and 3-A Sanitary Standards. G941WE incorporates a copper static wire embedded next to the helix. Phthalate free.

**Interior:** Abrasion resistant PVC with smooth bore to eliminate material build-up.

**Exterior:** Abrasion resistant PVC, corrugated for increased flexibility.

**Temperature Range:** -20°C (-4°F) to 65°C (150°F).

G941WE

G941WT

PHTHALAT

<u>I.D.</u>	Part Number	0.D.	Working Pressure 20°C		Vacuum Rating 20°C	Bend Radius	Weight per ft	Standard Length	
1"	G941WT-100	1.30"	55 psi	30 psi	28"Hg	2"	0.21 lb	100 ft	
$1^{1}/4$	G941WT-125	1.60	50	25	28	2	0.28	100	See
$1^{1}/2$	G941WT-150	1.92	50	25	28	3	0.35	100	Prices Online
2	G941WT-200	2.40	40	20	28	4	0.56	100	ontine
3	G941WT-300	3.64	40	20	28	6	1.10	100	
1 <sup>1</sup> /2	G941WE-150	1.83	50	25	28	5	0.49	60 or 100	
2	G941WE-200	2.40	40	20	28	4	0.58	60	
2 <sup>1</sup> /2	G941WE-250	2.99	40	20	28	5	0.88	60	
3	G941WE-300	3.64	40	20	28	6	1.25	60	
4	G941WE-400	4.72	35	18	24	10	1.92	60	

Deep-Fryer hose is specifically designed to handle hot food oil in restaurant fryer systems. It is usually used as the oil filter system recirculating hose.

#### G1011... DEEP-FRYER

**Tube:** Smooth, white, heat and oil resistant food grade nitrile rubber. Meets FDA requirements.

Reinforcement: One wire braid.

**Cover:** Wrapped finish, light grey, heat and oil resistant nitrile rubber.

**Temperature Range:** -40°C (-40°F) to 135°C (275°F) for constant service, intermittent service up to 175°C (347°F).

I.D.	Part Number	0.D.	Working Pressure	Bend Radius	Weight per ft	Approx. Reel Length	
<sup>1</sup> /2″ <sup>3</sup> /4	G1011-050 G1011-075	1.02 1.26	250 psi 250	6″ 8	0.48 lb 0.60	500 ft 500	See Prices Online

Vineyard Crushproof hose is designed for suction and discharge in applications where the hose is on the floor and might get run over. Where conventional wire reinforced hoses remain crushed, the nylon helix in G1040 springs back into shape. Vineyard hose has a light grey cover to resist marking, and a heat resistant tube to allow short period, open-end steam sterilization.

#### G1040... VINEYARD CRUSHPROOF FOOD & BEVERAGE HOSE

**Tube:** Smooth, white, nontoxic, odorless butyl rubber, certified to FDA Title 21 for aqueous foods, BfR XXI Cat.2 for aqueous foods, D.M. 21/03/73 for aqueous foods and alcohol.

**Reinforcement:** Semi-rigid nylon helix embedded between layers of synthetic textile cords.

**Cover:** Grey, ozone and weather resistant EPDM rubber with wrapped finish.

**Temperature Range:** -40°C (-40°F) to 120°C (248°F). Open-end steam sterilization is permissible for cleaning purposes.

	Part		Working	Vacuum	Bend	Weight	Standard	
I.D.	Number	0.D.	Pressure	Rating	Radius	per ft	Length	
1 <sup>1</sup> /2"	G1040-150	2.13"	150 psi	26" Hg	10"	0.91 lb	100 ft	See
2	G1040-200	2.64	150	26	13	1.21	100	Prices Online
3	G1040-300	3.70	150	26	20	2.17	100	Untille

G1040

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G1011

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Millennium food hoses are phthalate free and are suitable for almost all food products including wine, beer, fruit juices, fatty foods, vegetable oils and alcohol. G1041 and G1073 can be sanitized with steam at a maximum of 110°C (230°F) for up to 15 minutes, or for a few minutes at 30°C with solutions of 3% nitric acid, 0.5% peracetic acid, or 5% phosphoric acid. G1041 and G1073 meet the stringent European standards CE1935/04 and CE2023/06.

#### G1041... MILLENNIUM HARDWALL FOOD HOSE

**Tube:** Smooth, white, phthalate free, taste free food quality synthetic rubber.

**Reinforcement:** High-tensile steel wire helix embedded between layers of synthetic textile cords.

**Cover:** Blue, wrapped finish, ozone and weather resistant synthetic rubber.

**Temperature Range:** -30°C (-22°F) to 100°C (212°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
<sup>3</sup> /4"	G1041-075	1.20"	150 psi	29" Hg	2"	0.44 lb	100 ft	
1	G1041-100	1.44	150	29	3	0.54	100	See
1 <sup>1</sup> /2	G1041-150	1.95	150	29	5	0.81	100	Prices Online
2	G1041-200	2.50	150	29	7	1.26	100	ontine
2 <sup>1</sup> /2	G1041-250	3.03	150	29	10	1.66	100	
3	G1041-300	3.59	150	29	12	2.11	100	
4	G1041-400	4.63	150	29	16	2.82	100	

#### G1073... MILLENNIUM SOFTWALL FOOD HOSE

**Tube:** Smooth, white, phthalate free, taste free food quality synthetic rubber.

**Reinforcement:** Multiple layers of synthetic textile cords. **Cover:** Blue, wrapped finish, ozone and weather resistant synthetic rubber.

Temperature Range: -30°C (-22°F) to 100°C (212°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
3/4"	G1073-075	1.30"	150 psi	0.44 lb	100 ft	
1	G1073-100	1.54	150	0.55	100	See Prices
1 <sup>1</sup> /4	G1073-125	1.81	150	0.68	100	Online
1 <sup>1</sup> /2	G1073-150	2.05	150	0.78	100	
2	G1073-200	2.58	150	1.05	100	
3	G1073-300	3.70	150	1.86	100	

G1041 RI MILLENNIUM LL G1041

10 bar 150 psi S.F. 3:1

G1073

MADE IN ITALY

# FOOD & BEVERAGE HOSE

Brewer's Hose has a taste-free and odorless butyl rubber tube and cover to withstand high alcohol content. Butyl rubber also has better resistance than natural rubber to modern sterilization solutions containing mixtures of peracetic acid and hydrogen peroxide. The large wall thickness on Brewer's Hose allows it to withstand light vacuum and resist kinking. G1074 Brewer's Hose is certified to FDA title 21 for aqueous foods and D.M. 21/03/73 for aqueous foods and alcohol.

#### G1074... BREWER'S HOSE

**Tube**: Smooth, white, non-toxic, butyl rubber to FDA standards. **Reinforcement**: Multiple layers of synthetic textile cords. **Cover**: Red, abrasion resistant butyl rubber with wrapped finish. **Temperature Range**: -40°C (-40°F) to 100°C (212°F) however short period, open-end steam sterilization is permissible for cleaning purposes.



G1074

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1" 1 <sup>1</sup> /4 1 <sup>1</sup> /2 2 3	G1074-100 G1074-125 G1074-150 G1074-200 G1074-300	1.50 1.93 2.21 2.80 3.78	150 psi 150 150 150 150 150	0.54 lb 0.92 1.15 1.62 2.19	100 ft 100 100 100 100	See Prices Online

The extremely abrasion resistant gum rubber tube in G741 allows it to stand up to most non-oily bulk materials such as gravel, sand, and fertilizers. The tube is also certified to FDA food grade standards, making it suitable for grains, corn, sugar, and other foodstuffs. Where static build-up is a problem, the built in static wire dissipates static electricity when properly grounded to couplings.

#### G741... RUBBER BULK MATERIAL

**Tube:** Smooth, tan, <sup>3</sup>/16" thick, ultra abrasion-resistant natural gum rubber that is certified to FDA standards.

**Reinforcement:** Double wire helix plus static wire embedded between layers of synthetic textile cords.

**Cover:** Corrugated, brown, wrapped finish, weather and abrasion resistant rubber.

**Temperature Range:** -40°C (-40°F) to 70°C (158°F).

**Couplings:** Because natural rubber is quite soft, it is difficult to obtain good fitting retention with punch clamps or band & buckles. On pressure applications, G38 double bolt clamps may be required.

G741

Part Number	0.D.	Working Pressure	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
G741-150	2.17"	75 psi	29" Hg	5"	1.13 lb	100 ft	
G741-200	2.72	75	29	7	1.54	100	See
G741-250	3.29	75	29	9	2.00	100	Prices Online
G741-300	3.76	75	28	12	2.32	100	
G741-400	4.77	75	28	16	2.97	100	
G741-500	5.79	75	28	23	3.95	100	
G741-600	6.88	75	28	28	5.24	100	
G741-800	9.02	75	28	40	7.77	20 or 50	
-	Number           G741-150           G741-200           G741-250           G741-300           G741-500           G741-500           G741-600	Number0.D.G741-1502.17"G741-2002.72G741-2503.29G741-3003.76G741-4004.77G741-5005.79G741-6006.88	NumberO.D.PressureG741-1502.17"75 psiG741-2002.7275G741-2503.2975G741-3003.7675G741-4004.7775G741-5005.7975G741-6006.8875	NumberO.D.PressureRatingG741-1502.17"75 psi29" HgG741-2002.727529G741-2503.297529G741-3003.767528G741-4004.777528G741-5005.797528G741-6006.887528	NumberO.D.PressureRatingRadiusG741-1502.17"75 psi29" Hg5"G741-2002.7275297G741-2503.2975299G741-3003.76752812G741-4004.77752816G741-5005.79752823G741-6006.88752828	NumberO.D.PressureRatingRadiusper ftG741-1502.17"75 psi29" Hg5"1.13 lbG741-2002.72752971.54G741-2503.29752992.00G741-3003.767528122.32G741-4004.777528162.97G741-5005.797528233.95G741-6006.887528285.24	NumberO.D.PressureRatingRadiusper ftLengthG741-1502.17"75 psi29" Hg5"1.13 lb100 ftG741-2002.72752971.54100G741-2503.29752992.00100G741-3003.767528122.32100G741-4004.777528162.97100G741-5005.797528233.95100G741-6006.887528285.24100

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### **AUTOMOTIVE HOSE**

Gasoline & diesel hose for fuel tanks & filler necks can be found in Marine Section Fuel Line hose is specially compounded to withstand the high under-the-hood temperatures found in today's automobiles. G611 meets SAE 30R7 specifications and is now available in convenient 25 or 50 ft coils as well as 250 ft reels.

#### G611... FUEL LINE

**Tube:** Smooth, black, oil and gasoline resistant class A nitrile rubber.

Reinforcement: Two spiral layers of polyester yarn.

**Cover:** Smooth, black, oil, heat, and weather resistant class B nitrile/PVC rubber.

#### Temperature Range:

-40°C (-40°F) to 125°C (257°F).

	Part	0.0	Working	Weight		rd Length	
<u>I.D.</u>	Number	0.D.	Pressure	per ft	Coil	Reel	
<sup>3</sup> /16"	G611-019	0.41"	50 psi	0.07 lb	25 ft	250 ft	
1/4	G611-025	0.50	50	0.09	25	250	See Prices
<sup>5</sup> /16	G611-031	0.56	50	0.11	50	250	Online
3/8	G611-038	0.63	50	0.12	50	250	
1/2	G611-050	0.78	35	0.16		700	

G105 Oil Line is used where regular fuel line hose does not provide adequate working pressure, such as on transmission lines or lubrication lines. This compact hose is very flexible and kink resistant.

#### G105... OIL LINE

**Tube**: Smooth, black, oil and gasoline resistant nitrile rubber. **Reinforcement**: One braid of synthetic yarn.

**Cover:** Smooth, black, oil and weather resistant neoprene rubber.

**Temperature Range:** -40°C (-40°F) to 95°C (203°F).

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
<sup>3</sup> /16" <sup>5</sup> /16	G105-03 G105-05	0.36" 0.56	400 psi 250	0.04 lb 0.10	100 ft 100	See Prices Online

G611



G105

# **AUTOMOTIVE HOSE**

#### **G822DEF...** DEF Dispensing Hose

Diesel Exhaust Fluid (DEF) is a solution of urea and de-ionized water that is sprayed into the exhaust systems of diesel powered vehicles. It is also known as AdBlue<sup>™</sup> and is standardized as ISO 22241. The fluid reacts to break down nitric oxide and nitrogen dioxide pollutants. Our DEF dispensing hose has a tube made from a special peroxide cured EPDM rubber that minimizes contamination of the fluid. Only certain materials should come into contact with DEF fluid, in order to prevent corrosion which may contaminate the fluid and render it ineffective, and potentially damage engine components.

#### **Recommended fitting materials:**

Type 304 stainless steel Type 316 stainless steel PTFE (Teflon®), free of additives Polypropylene, free of additives Polyethylene, free of additives

#### NOT recommended

Carbon steel Iron Zinc Copper Brass Aluminum Nickel

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G822DEF

**Tube:** Black, peroxide cured EPDM rubber formulated for diesel exhaust fluid

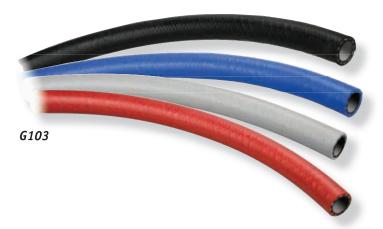
**Reinforcement:** High-tensile spiral polyester yarn.

**Cover:** Black, smooth, abrasion and weather resistant, EPDM rubber.

Temperature Range: -45°C (-58°F) to 120°C (248°F.)

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
3/4″	G822DEF-075	1.13"	300 psi	0.26 lb	100 ft	See Prices Online

### AUTOMOTIVE HOSE



Push-on hose, when used with push-on fittings, provides fast and neat hose assembly without the use of clamps or ferrules. Because hoses can be assembled quickly and without tools, Push-on is popular for air lines on lumber sorters, newsprint handling equipment, and machinery production lines. Since the hose is resistant to most lubricating oils and hydraulic fluids, G103 is popular for hydraulic case drains and vent lines as well as general automotive service. Push-On makes a great shop air hose in oily environments. *Please note, using clamps or ferrules with push-on fittings will cause hose to fail prematurely*.

#### G103... PUSH-ON

**Tube:** Smooth, black oil resistant Class A nitrile rubber. Not for use with gasoline or diesel fuels.

**Reinforcement:** Braided, high tensile synthetic textile cord.

**Cover:** Smooth, oil resistant, MSHA flame resistant Class B modified nitrile rubber.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F) for normal service. For air up to 71°C (160°F) only.

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Approx. Reel Leng	jth
G103	Black					
1/4"	G103-04	0.48″	300 psi	0.09 lb	300 ft	
3/8	G103-06	0.63	300	0.11	300	See
1/2	G103-08	0.77	300	0.15	300	Prices Online
5/8	G103-10	0.94	300	0.20	250	
3/4	G103-12	1.06	300	0.24	225	
G103	Blue					
1/4	G103B-04	0.48	300	0.09	300	
3/8	G103B-06	0.63	300	0.11	300	
1/2	G103B-08	0.77	300	0.15	300	
G103 (	Grey					
1/4	G103G-04	0.48	300	0.09	300	
3/8	G103G-06	0.63	300	0.11	300	
1/2	G103G-08	0.77	300	0.15	300	
3/4	G103G-12	1.06	300	0.24	225	
G103	Red					
1/4	G103R-04	0.48	300	0.09	300	
3/8	G103R-06	0.63	300	0.11	300	
1/2	G103R-08	0.77	300	0.15	300	
3/4	G103R-12	1.06	300	0.24	225	

## **GREASE WHIPS & HEATER HOSE**

For individually packaged Grease Whips for hanging display add **P** to the part number; eg... 111-03MM12P



Grease Whips provide a flexible connector between the grease gun and grease fitting to allow easier access to the tight and awkward spaces where grease nipples always seem to be located. Our hoses are rubber to remain flexible at low temperatures and feature a wire braid for better life and coupling retention.

#### 111-03... GREASE WHIPS

**Tube:** Smooth, black, oil and heat resistant nitrile rubber. **Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Smooth, black, oil and weather resistant neoprene rubber.

**Temperature Range:** -40°C (-40°F) to 95°C (203°F). **Fittings:** Solid brass 1/8" male NPT (pipe) thread with ball seats to seal with tapered pipe or NPSM swivel pipe fittings. **Note:** Longer lengths are available on request.

Boxes	of 10:		
I.D.	Length	Part Number	
3/16"	12"	111-03MM12	
3/16	18	111-03MM18	See
3/16	24	111-03MM24	Prices Online
3/16	36	111-03MM36	ontine
3/16	48	111-03MM48	

G301 Black Heater is found in several markets under different "aliases". It's excellent temperature range, weathering resistance, and economic price make it a popular choice for many applications, including car heater hose, dishwasher drain hose, and garden hose. Utility Water is most often sold in precut lengths in boxes for easy storage and dispensing. However, it is also available in long lengths on reels.

### G301... BLACK HEATER/UTILITY WATER

**Tube:** Black, heat, and mild-chemical resistant EPDM rubber.**Reinforcement:** Two spirals of synthetic spiralled yarn

**Cover:** Smooth, black, heat, abrasion and weather resistant EPDM rubber.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F) continuous, 125°C (257°F) intermittent.

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Approx Reel Length	
1/2" 5/8 3/4	G301-050 G301-063 G301-075	0.81" 0.88 1.03	50 psi 35 31	0.16 lb 0.20 0.23	700 ft 700 700	See Prices Online
Boxed	Lengths					
I.D.	Length	Part Nu	mber	Weight Each		
1/2" 5/8 3/4	50 ft 50 50	G301-05 G301-06 G301-07	53X50	8.3 lb 10.3 11.8	See Prices Online	

R

G301

Auto

## HEATER HOSE

Most black or red standard heater hoses have a single layer of reinforcing yarn provided by a single braid or two opposing spirals of fabric. G302 has two separate layers of two spirals each, separated by a blue insulating layer. The extra reinforcement provides higher burst and kink resistance. Thermal heater is designed to meet the high heat and ozone conditions found under the hoods of today's automobiles and meets SAE20R3 D2 specifications.

#### G302... THERMAL HEATER

Tube: Black EPDM rubber designed to withstand radiator additives and high heat conditions.

Reinforcement: Four spirals of high-tensile yarn, with blue insulating layer.

Cover: Smooth, red, heat, ozone, and weather resistant EPDM rubber.

Temperature Range: -40°C (-40°F) to 121°C (250°F)

			Working	Weight	Approx	
I.D.	Part Number	0.D.	Pressure	per ft	Reel Length	
3/8"	G302-038	0.67"	50 psi	0.16 lb	700 ft	
<sup>1</sup> /2	G302-050	0.81	50	0.22	250	See Prices
<sup>5</sup> /8	G302-063	0.94	50	0.28	250	Online
<sup>3</sup> /4	G302-075	1.06	50	0.34	250	

Boxed	Lengths			
I.D.	Length	Part Number	Weight Each	
1/2"	50 ft	G302-050X50	11.3 lb	See
5/8	50	G302-063X50	14.3	Prices
3/4	50	G302-075X50	17.3	Online

Our Heavy-Duty Heater is designed for coolant circulation on large engines on trucks, buses, diesel generators, and other industrial applications where a heavy-walled, robust hose is preferred. EPDM rubber provides excellent resistance Green Line G304-100 HEAVY DUTY HEATER HOSE to heat aging, anti-freeze solutions, ozone, and weathering. G304 can also be used for light-duty saturated steam service where pressures do not exceed 90 psi.

#### G304... HEAVY-DUTY HEATER HOSE

Tube: Black EPDM rubber designed to withstand hot water and low-pressure steam.

**Reinforcement:** Plies of high tensile strength yarn.

**Cover:** Black, heat and weather resistant EPDM rubber with wrapped finish.

Temperature Range: -40°C (-40°F) to 165°C (329°F) Working Pressure: 150 psi for water, 90 psi for saturated steam to 165°C.

I.D.	Part Number	0.D.	Working 100°C	Pressure 165°C	Weight per ft	Standard Length	
<sup>5</sup> /8"	G304-063	1.06"	150 psi	90 psi	0.26 lb	400 ft coil	Soo
3/4	G304-075	1.18	150	90	0.30	400	See Prices
1	G304-100	1.38	150	90	0.33	400	Online

G302

## **SILICONE HOSE**

#### SILICONE HOSE

Silicone is one of the most stable rubbers. It remains flexible and resists aging after prolonged exposure to extreme temperatures, weather, ozone, and oil. This long-lasting property yields hoses that operate reliably in environments which destroy most other rubbers. Because silicone does not harden and crack with age, silicone radiator hose will give a service life of one-half million miles or more on highway trucks and buses - much longer than standard coolant hoses.

**Clamps:** Wire clamps are not suitable for silicone hoses. For heater hose and small sizes of coolant hose we recommend extended tang worm-gear clamps (part number G7ET). Extended tang clamps are designed to prevent damage to the outside cover of the hose, normally caused by serrations on standard gear clamps. Recommended torque is 30-40 inch pounds. G5A non-perforated type 316 stainless clamps are popular for silicone hose in marine applications for added corrosion resistance. For larger sizes we recommend G39 spring-loaded T-Bolt clamps to maintain even clamping pressure. Re-check clamps shortly after installation (when engine is cold).



## G354... SILICONE TURBO CHARGER

Green Line Turbo Charger hoses are reinforced with four plies of high temperature Nomex<sup>®</sup> fabric as well as stainless steel restrictor rings. These features combine to give superior performance under the most demanding applications.

Tube: Smooth, blue, heat and oil resistant silicone rubber.

**Reinforcement:** Four plies of high-temperature Nomex<sup>®</sup> fabric with three exterior stainless steel restrictor rings.

**Cover:** Blue, heat, oil and weather resistant silicone rubber with wrapped finish.

**Temperature Range:** -55°C (-67°F) to 260°C (500°F)

	Part	Working		Weight	
I.D.	Number	Pressure	Length	Each	
3"	G354-300	50 psi	6"	0.40 lb	
3 <sup>1</sup> /2	G354-350	50	6	0.40	See
4	G354-400	50	6	0.44	See Prices Online
4	G354L-400	50	8	0.57	Untille
5	G354-500	40	6	0.60	



In some applications where the distance between the engine and radiator connection is very short, the vibration and movement will cause premature failure of standard coolant hoses. G355 connectors (often known as hump hoses) feature corrugated sections supported by steel rings that allow for much greater flexing than a standard hose.

### G355... SILICONE CONNECTOR

**Tube**: Smooth, blue, silicone rubber

**Reinforcement:** Three plies of polyester fabric with exterior steel rings.

**Cover:** Blue silicone rubber

Temperature Range: -55°C (-67°F) to 175°C (347°F).

I.D.	Part Number	Length	Working Pressure	Weight Each	— See
2 <sup>1</sup> /2"	G355-250	8.25"	35 psi	0.4 lb	Prices Online

Auto

## SILICONE HOSE



GIBERLINE G384-200 2" I.D. SILICONE

#### G382... SILICONE HEATER

For low pressure water and normal heater applications. Meets or exceeds SAE20R3, class A specifications.

**Tube:** Smooth, blue, antifreeze and oil resistant silicone rubber

Reinforcement: High-tensile braided yarn.

**Cover:** Smooth, blue, oil and weather resistant silicone rubber.

**Temperature Range:** -55°C (-67°F) to 175°C (347°F)

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Approx. Reel Lengtl	h
1/4"	G382-025	0.53"	60 psi	0.09 lb	250 ft	
<sup>3</sup> /8	G382-038	0.69	60	0.12	250	
<sup>1</sup> /2	G382-050	0.81	50	0.17	250	See
<sup>5</sup> /8	G382-063	0.94	50	0.23	250	Prices Online
3/4	G382-075	1.06	40	0.28	250	ontine
1	G382-100	1.34	30	0.41	100	

#### G384... SILICONE COOLANT

For heavy-duty heater and coolant applications. Meets or exceeds SAE20R1, Class A specifications.

**Tube**: Smooth, blue, antifreeze and oil resistant silicone rubber. **Reinforcement**: Three plies of high-tensile textile fabric.

**Cover:** Blue, oil and weather resistant silicone rubber with wrapped finish.

## **Temperature Range:** -55°C (-67°F) to 175°C (347°F)

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
<sup>3</sup> /4" 7/8 1 1 <sup>1</sup> /8 1 <sup>1</sup> /4 1 <sup>3</sup> /8 1 <sup>1</sup> /2 1 <sup>5</sup> /8	G384-075 G384-088 G384-100 G384-113 G384-125 G384-125 G384-150 G384-163 G384-163	1.08" 1.21 1.33 1.46 1.58 1.71 1.83 1.95	85 psi 75 75 75 70 70 65 55	0.27 lb 0.30 0.32 0.35 0.39 0.43 0.45 0.49	4 ft 4 4 4 4 4 4 4 4	See Prices Online
1 <sup>3</sup> /4 1 <sup>7</sup> /8 2 2 <sup>1</sup> /8 2 <sup>1</sup> /4 2 <sup>3</sup> /8 2 <sup>1</sup> /2	G384-175 G384-188 G384-200 G384-213 G384-225 G384-238 G384-238 G384-250	2.08 2.21 2.33 2.46 2.58 2.71 2.83	50 50 45 45 40 40	0.57 0.62 0.65 0.70 0.73 0.75 0.78	4 4 4 4 4 4 4	
2 <sup>5</sup> /8 2 <sup>3</sup> /4 2 <sup>7</sup> /8 3 3 <sup>1</sup> /4	G384-263 G384-275 G384-288 G384-300 G384-325 G384-350	2.95 3.08 3.21 3.33 3.58 3.83	35 35 25 25 20 20	0.80 0.85 0.89 0.93 0.97 0.99	4 4 4 4 4	See Prices Online
3 <sup>1</sup> /2 3 <sup>3</sup> /4 4 4 <sup>1</sup> /2 5	G384-350 G384-375 G384-400 G384-450 G384-500	3.83 4.08 4.33 4.83 5.33	20 20 20 15 15	0.99 1.02 1.05 1.13 1.23	4 4 4 4	



### G3846 & G3896... SILICONE ELBOW CONNECTORS

These useful elbows have 6" arms that can be cut to length to fit a variety applications.

Tube: Smooth, blue, heat and anti-freeze resistant silicone rubber.

Reinforcement: Plies of synthetic fabric.

**Cover:** Blue, heat and weather resistant silicone rubber with wrapped finish.

Temperature Range: -55°C (-67°F) to 175°C (347°F).

I.D.	Part Number	0.D.	Working Pressure	Weight Each	
1/2" 5/8 3/4 1 1 <sup>1</sup> /2	G3846-050 G3846-063 G3846-075 G3846-100 G3846-150	0.89" 1.02 1.14 1.39 1.89	150 psi 150 150 150 150 125	0.25 lb 0.27 0.30 0.43 0.57	
2 21/4 21/2 23/4 3 31/2 4	G3846-200 G3846-225 G3846-250 G3846-275 G3846-300 G3846-350 G3846-400	2.39 2.64 2.89 3.14 3.39 3.89 4.39	80 75 60 60 60 50 45	0.65 0.75 0.96 1.01 1.12 1.28 1.65	See Prices Online



G3896

1

2

3

4

## **RADIATOR HOSE**

G388 is for straight connections in engine cooling and marine wet exhaust applications. It is particularly useful where installation space is limited and a wire reinforced hose cannot be compressed enough to fit between the end connections. G388 meets SAE 2006R1 specifications for marine wet exhaust service.

## G388... SOFTWALL MARINE COOLANT & EXHAUST

**Tube:** Smooth, back, heat and anti-freeze resistant SBR rubber.

Reinforcement: Plies of synthetic fabric.

**Cover:** Black, heat and weather resistant SBR rubber with wrapped finish.

Temperature Range: -40°C (-40°F) to 100°C (212°F).

G388

RAIT AND TYPE CERTIFIED WET EXMAUST SERVIC

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
3/4"	G388-075	1.10"	60 psi	0.28 lb	12.5 or 50 ft	
7/8	G388-088	1.26	60	0.37	12.5 or 50	See
1	G388-100	1.38	60	0.42	12.5 or 50	Prices Online
1 <sup>1</sup> /8	G388-113	1.50	60	0.46	12.5 or 50	Online
11/4	G388-125	1.69	60	0.58	12.5 or 50	
15/16	G388-131	1.73	60	0.58	12.5 or 50	
13/8	G388-138	1.81	60	0.62	12.5 or 50	
$1^{1}/2$	G388-150	1.93	60	0.67	12.5 or 50	
1 <sup>5</sup> /8	G388-163	2.13	60	0.82	12.5 or 50	
1 <sup>3</sup> /4	G388-175	2.20	60	0.78	12.5 or 50	
17/8	G388-188	2.32	60	0.82	12.5 or 50	
2	G388-200	2.50	60	1.01	12.5 or 50	500
_ 2 <sup>1</sup> /8	G388-213	2.62	60	1.06	12.5 or 50	See Prices Online
2 <sup>1</sup> /4	G388-225	2.76	60	1.07	12.5 or 50	Online
2 <sup>3</sup> /8	G388-238	2.91	60	1.28	12.5 or 50	
2 <sup>1</sup> /2	G388-250	3.05	60	1.36	12.5 or 50	
2 <sup>5</sup> /8	G388-263	3.23	60	1.44	12.5 or 50	
$2^{3}/4$	G388-275	3.31	60	1.47	12.5 or 50	
2 <sup>7</sup> /8	G388-288	3.43	60	1.55	12.5 or 50	
3	G388-300	3.54	60	1.61	12.5 or 50	
31/8	(200 212	2 70	60	1 60	12 E or E0	
3 <sup>-</sup> /8 3 <sup>1</sup> /4	G388-313	3.70 3.79	60	1.69 1.74	12.5 or 50 12.5 or 50	
$3^{-1/4}$ $3^{1/2}$	G388-325		60 60			
,	G388-350	4.09		1.88	12.5 or 50	See Prices
4	G388-400	4.57	60 60	2.11	12.5 or 50	Online
41/8	G388-413	4.69	60	2.17	12.5 or 50	
4 <sup>1</sup> /2	G388-450	5.12	60	2.53	12.5 or 50	
5	G388-500	5.63	60	2.80	12.5 or 50	
5 <sup>1</sup> /2	G388-550	6.14	60	3.07	12.5 or 50	
6	G388-600	6.69	60	3.96	12.5 or 50	
6 <sup>5</sup> /8	G388-663	7.50	60	5.04	12.5 or 50	

Nylon Air Brake Tubing is used for air brake, instrumentation, and air accessory lines on truck and trailer and other mobile air braking systems. Nylon tubing offers a weight and cost savings over wire and fabric reinforced rubber hoses where the abrasion and kink resistance of heavier hoses is not required. G1212 conforms to DOT FMVSS 106 requirements as well as SAE J844 specifications (J844 Type A for unreinforced sizes and Type B for reinforced sizes).

## G1212... NYLON AIR BRAKE

**Construction**: Type A (sizes 1/8" to 5/16") Smooth, black, light and heat stabilized Nylon 11 tubing. Type B (sizes 3/8" to 3/4") Smooth, black, tube and cover made from light and heat stabilized Nylon 11, with open spiral synthetic yarn reinforcement. Blue, Green, Red, and Yellow are available in certain sizes by adding B, G, R, or Y as a suffix to the part number.

**Temperature Range:** -40°C (-40°F) to 95°C (203°F).

0.D.*	Part Number	I.D.	Working Pressure at 20°C <sup>+</sup>	Min. Bend Radius	Weight per ft	Approx. Reel Length	
Black 1	Tubing						
1/8"	G1212-02	0.079"	250 psi	0.37"	0.003 lb	2000 ft	
5/32	G1212-02.5	0.092	250	0.50	0.006	1000	
1/4	G1212-04	0.170	300	1.00	0.012	1000	<b>C</b> • •
5/16	G1212-05	0.232	250	1.25	0.015	1000	See Prices
3/8	G1212-06	0.251	350	1.50	0.028	500	Online
1/2	G1212-08	0.376	240	2.00	0.039	500	
5/8	G1212-10	0.441	225	2.50	0.071	250	
3/4	G1212-12	0.566	200	3.00	0.086	250	
Colors							
1/4	G1212†-04	Blue, Green, Red, Yellow				1000	
3/8	G1212†-06	Blue, Green, Red, Yellow				500	
1/2	G1212†-08	Blue, Green, Red,				500	

\* Unlike hose, air brake tubing is ordered by outside diameter.

+ Maximum 150 psi for airbrake service.

† Insert first letter of color choice, ie: G1212B is Blue

Featuring brass female swivel ends and a stainless steel wire braid cover, our Compressor Discharge assemblies are designed to withstand temperatures up to 232°C and can be used in a variety of applications where corrosion is a concern , including air compressor, hydraulic, or gas applications.

#### 157CD... COMPRESSOR DISCHARGE

Tube: Smooth extruded Teflon<sup>®</sup>. Reinforcement and Cover: Stainless steel wire braid Fittings: Permanently attached brass.

**Temperature Range:** -54°C (-65°F) to 232°C (450°F). **Minimum Bend Radius:** 157-10=6.5".

**Note:** Exceeding the minimum bend radius will result in kinking of the teflon tube and premature failure.

	Nominal Tube Size	Thread <u>Typ</u> e & Size	Length	Part Number	
	5/8"	SAE-10	24" 36 48	157-10SAE24 157-10SAE36 157-10SAE48	See Prices Online
57CD			60	157-10SAE40	Unline
	The second				



Auto

## AIR BRAKE HOSE

Our Air Brake hose meets the Society of Automotive Engineers (SAE) and Department of Transport (DOT) specifications for tractor-trailer reach lines and brake chamber hoses. G212 is branded with the SAE J1402C Table A and DOT FMVSS 106 approvals. Air Brake hose is also an excellent oil-resistant and durable shop air hose, and is popular in heavy-duty truck repair shops. We also offer G212L Arctic Air Brake hose for northern winters where standard hose becomes too stiff and brittle. It meets the same specifications as G212 but has a wider temperature range.

#### G212... AIR BRAKE

**Tube:** Black class C rubber specially compounded to resist moisture and oil-laden compressed air.

**Reinforcement:** Four spiral layers of high-tensile synthetic yarn.

**Cover:** Smooth, black, oil, weather, and abrasion-resistant class C rubber branded with SAE and DOT markings.

## Temperature Range:

G212: -40°C (-40°F) to 95°C (203°F). G212L: -54°C (-65°F) to 95°C (203°F).

G212

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Approx. Reel Length	
<sup>3</sup> /8"	G212-06	0.75"	225 psi	0.17 lb	250 ft	See
<sup>1</sup> /2	G212-08	0.88	225	0.20	250	Prices
<sup>3</sup> /8	G212L-06	0.75	225	0.17	250	Online
<sup>1</sup> /2	G212L-08	0.88	225	0.20	250	

This convenient hose rack has 12 slots designed to fit both 3/8'' and 1/2'' G212 Air Brake Assemblies. The rack will hold a maximum of 60 assorted hoses. It comes complete with screws and mounting holes for speedy installation.



G212-RACK

### *G212-RACK... AIR BRAKE ASSEMBLY RACK* Colour: Black

Size:  $23^{1}/2^{"}$  long x  $7^{1}/2^{"}$  deep x 4" high

See Prices Online

## AIR BRAKE ASSEMBLIES

\*

Green Line Air Brake Assemblies are made in strict accordance with SAE J1402 and DOT specifications. Each assembly is tagged with the part number which defines size and length. Fittings are permanently attached with a solid male NPT fitting on one end and a female swivel with male pipe adapter at the other end.

For hoses with female swivels at both ends, please specify G212SW.

G212 Assembly

	Hose I.D. 3/8"	NPT Size 1/4"	Hose I.D. 3/8"	NPT Size 3/8"	Hose I.D. 1/2"	NPT Size 3/8"
Length	Part No.		Part No.		Part No.	
12"	G212-6412		G212-6612		G212-8612	
14						
16	G212-6416					
18	G212-6418	See Prices	G212-6618	See Prices Online	G212-8618	See Prices Online
20	G212-6420	Online	G212-6620	Online	G212-8620	Online
22	G212-6422		G212-6622		G212-8622	
24	G212-6424	See	G212-6624	See	G212-8624	See
26	G212-6426	See Prices Online	G212-6626	See Prices Online	G212-8626	See Prices Online
28	G212-6428	ontine	G212-6628	ontine	G212-8628	ontine
30	G212-6430		G212-6630		G212-8630	
32	G212-6432		G212-6632		G212-8632	
34			G212-6634		G212-8634	
36	G212-6436	See Prices	G212-6636	See Prices Online	G212-8636	See Prices
38		Online	G212-6638	Online	G212-8638	Online
40			G212-6640		G212-8640	
42			G212-6642		G212-8642	
44	G212-6444		G212-6644		G212-8644	
46					G212-8646	
48	G212-6448	See Prices Online	G212-6648	See Prices	G212-8648	See Prices
50		Online	G212-6650	Prices Online	G212-8650	Online
54	G212-6454					
56					G212-8656	
60	G212-6460	See Prices	G212-6660	See Prices	G212-8660	See Prices
72		Online	G212-6672	Online	G212-8672	Online
84					G212-8684	

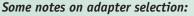
Our crush-proof garage exhaust hoses are all 11 feet long and feature a thicker wall for increased life. Sizes up to 3" have tapered screw-together ends instead of cuffs. For 4", 5" and 6", use CR-AC connectors to join hoses together. To maximize hose life, use tailpipe adapters between the car tailpipe and the hose.

#### CR... GARAGE EXHAUST

**Construction:** Eleven foot lengths of corrugated, high-temperature EPDM rubber. One end is flared for easy connection of multiple lengths.

**Temperature Range:** -40°C (-40°F) and rated for intermittent use up to  $315^{\circ}C$  (600°F).

Part		Weight	
Number	Designed For	Each	
t hose			
CR-200	Motorcycle	6.4 lb	
CR-250	Compact car	7.0	
CR-300	Average car	9.4	See Prices
CR-400	Light truck	16.0	Online
CR-500	Diesel truck	24.5	
CR-600	Diesel truck	26.0	
ernal wire to pre	vent kinking		
CRW-400	Light truck	25.0	500
CRW-500	Diesel truck	34.0	See Prices
CRW-600	Diesel truck	38.0	Online
	Number t hose CR-200 CR-250 CR-300 CR-400 CR-500 CR-600 ernal wire to pre CRW-400 CRW-500	NumberDesigned Fort hoseCR-200MotorcycleCR-250Compact carCR-300Average carCR-400Light truckCR-500Diesel truckCR-600Diesel truckernal wire to prevent kinkingCRW-400Light truckCRW-500Diesel truck	NumberDesigned ForEacht hose6.4 lbCR-200Motorcycle6.4 lbCR-250Compact car7.0CR-300Average car9.4CR-400Light truck16.0CR-500Diesel truck24.5CR-600Diesel truck26.0ernal wire to prevent kinkingCRW-400Light truck25.0CRW-500Diesel truck34.0



Always select a tailpipe adapter with 1/2" diameter clearance around the tailpipe. Tailpipe adapters provide an air flow that keeps exhaust temperatures within acceptable limits, thus greatly extending hose life.

Use CR-Y connectors and short sections of hose and tailpipe adapters to create Y-assemblies for vehicles with split dual exhausts.

Specialty adapters such as elbows and duct connectors are available to join exhaust hoses to overhead or under-floor exhaust ducting. Please contact us with your requirements.



## **AUTOMOTIVE HOSE**



Part Number	Description	Tailpipe Style	Tailpipe Size	Fits Hose Size (I.D.)	Weight Each	
Single Tailpi	ipe Adapters					
CR-T-250	Straight with hook & chain	Single	Up to 2"	2", 2 <b>1/2</b> ", 3"	1.2 lb	
CR-T-300	Straight with hook & chain	Single	Up to 2 <b>1/2</b> "	2 <b>1/2</b> ", 3"	1.3	See Prices
CR-T-350	Straight with hook & chain	Single	Up to 3"	3", 4"	1.5	Online
Universal Ta	ilpipe Adapters					
CR-TU	Universal with snaps	All cars	All cars	2, 3"	1.5	
Stack Adapt	ers					
CR-DS	Stack adapter	Diesel	Up to 5 <b>1/2</b> "	4", 5"	5.0	
CR-DS-600	Stack adapter	Diesel	Up to 5 <b>1/2</b> "	6"	6.0	See
Dual Tailpip	e Adapters					Prices
CR-DU-300	Oval adapter 3" x 6"	Dual	Up to 2 <b>1/2</b> "	3", 4"	1.7	Untille
CR-DU-350	0val adapter 3 <b>1/2</b> " x 8 <b>1/2</b> "	Dual	Up to 3"	3", 4"	1.8	





Aluminum threaded connector

Aluminum threaded connector

Aluminum threaded connector

CR-AC-500
CR-AC-600
CR-Y-250
CR-Y-300

Connectors CR-AC-400

CR-Y

CR-AC

CR-Y-250	Rubber Y connector	2 <b>1/2</b> "	0.8	See
CR-Y-300	Rubber Y connector	3"	1.2	See Prices Online
CR-Y-400	Aluminum Y connector	4"	4.3	

4"

5"

6"

1.3

2.0

8.0

CR-DP

Door Ports				
CR-DP-250	Rubber door port	2 <b>1/2</b> "	1.1	
CR-DP-300	Aluminum door port	3"	1.3	See Prices
CR-DP-400	Aluminum door port	4"	2.5	Online

Auto

See Prices Online



- Green Line -

## AUTOMOTIVE HOSE

Here's a unique product you've probably run across. Signal Bell Tubing is used by gas stations to announce your arrival at their pumps. Municipalities and Highway Departments use this durable product as part of their traffic counting system. Green Line Signal Bell Tubing is made with extruded rubber that withstands the continual weight and punishment of vehicles driving over it. This tough, resilient tubing is designed for use with all standard call systems.

## G200... SIGNAL BELL TUBING

**Construction:** Smooth, black, abrasion, weather and ozone resistant EPDM rubber tubing. **Temperature Range:** -40°C (-40°F) to 95°C (203°F)

I.D.	Part Number	0.D.	Wall Thickness	Weight per ft	Standard Length	
3/8"	G200-038-060	0.60"	0.11"	0.08 lb	100 ft	See Prices Online

Split Conduit or Split Loom, as it is often called, provides a convenient method for bundling electrical wires in automotive and marine applications.

#### G830... SPLIT CONDUIT

**Construction:** Convoluted black medium density polyethylene, split along length.

Temperature Range: -40°C (-40°F) to 93°C (200°F)

G830

G200

	Part		Wall	Standard I	Length	
I.D.	Number	0.D.	Thickness	Reel	Bulk	
<sup>1</sup> /4"	G830-025	0.39"	0.004"	500 ft	3200 ft	
3/8	G830-038	0.51	0.005	500	2000	
<sup>1</sup> /2	G830-050	0.68	0.005	500	1200	See Prices
<sup>5</sup> /8	G830-063	0.82	0.005	150	900	Online
3/4	G830-075	0.94	0.005	150	600	
1	G830-100	1.28	0.006	150	300	
$1^{1}/4$	G830-125	1.47	0.006	150	250	



USCG Type A2 Fuel Fill is designed using flame resistant compounds to meet the fire resistance test required in SAE J1527 for USCG Type A marine fuel hoses. In addition, the wire helix allows the hose to be used around obstacles and in tight bends without kinking.

*Note:* Our G681A also meets European specifications for small craft fire resistant fuel hose under reference ISO 7840/1994 Marine Fuel A2.

### G681A...

#### TYPE A2 HARDWALL MARINE FUEL FILL

**Tube:** Smooth, black, oil and heat resistant nitrile/pvc blend rubber.

**Reinforcement:** Two plies of synthetic fabric and steel helix wire.

**Cover**: Black, oil, heat and flame resistant nitrile/pvc rubber with wrapped finish.

Temperature Range: -40°C (-40°F) to 80°C (176°F).

### A note about marine fuel hoses...

Specifications for fuel hoses used aboard small craft have been standardized by the Marine Technical Committee of the SAE (Society of Automotive Engineers) under their specification J1527. Hoses can be broken down into four broad groups (A1, A2, B1, & B2) according to two requirements; fuel permeability and flame resistance.

**Fuel Permeability:** Class 1 hoses have the greatest resistance to fuel vapours permeating through the hose itself. Therefore, in enclosed engine compartments where fuel is constantly in the hose, Class 1 hoses should always be used. Class 2 hoses exhibit less resistance to permeation, and so are intended for filler or vent hoses where fuel does not usually lie in the hose, or where there is no threat of fumes collecting in an enclosed area.

**Flame Resistance:** Type A hoses have a flame resistant cover and will resist burning. Type B hoses have not been subjected to any flammability tests.

Typically, fuel feed lines will be type A1, combining maximum resistance to permeation and to fire. Vent and filler neck hoses will be A2 or B2.

G681A

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Bend Radius	Weight per ft	Standard Length	
<sup>1</sup> /2"	G681A-050	0.91"	60 psi	1"	0.33 lb	12.5 or 50 ft	
5/8	G681A-063	0.98	60	2 <sup>1</sup> /2	0.36	12.5 or 50	
3/4	G681A-075	1.14	60	3	0.43	12.5 or 50	See Prices
7/8	G681A-088	1.26	60	3 <sup>1</sup> /2	0.49	12.5 or 50	Online
1	G681A-100	1.38	60	4	0.54	12.5 or 50	
1 <sup>1</sup> /8	G681A-113	1.50	60	4 <sup>1</sup> /2	0.59	12.5 or 50	
$1^{1}/4$	G681A-125	1.65	60	5	0.65	12.5 or 50	
1 <sup>5</sup> /16	G681A-131	1.65	60	5 <sup>1</sup> /2	0.67	12.5 or 50	
13/8	G681A-138	1.77	60	$5^{1}/2$	0.71	12.5 or 50	
1 <sup>1</sup> /2	G681A-150	1.89	60	6	0.75	12.5 or 50	
1 <sup>5</sup> /8	G681A-163	2.05	60	6 <sup>1</sup> /2	0.82	12.5 or 50	
$1^{3}/4$	G681A-175	2.17	60	7	0.87	12.5 or 50	See
1 <sup>7</sup> /8	G681A-188	2.28	60	8	0.93	12.5 or 50	Prices Online
2	G681A-200	2.40	60	9	0.97	12.5 or 50	ontine
21/8	G681A-213	2.53	60	9 <sup>1</sup> /2	1.01	12.5 or 50	
2 <sup>1</sup> /4	G681A-225	2.68	60	9 <sup>1</sup> /2	1.05	12.5 or 50	
2 <sup>3</sup> /8	G681A-238	2.76	60	12 <sup>1</sup> /2	1.09	12.5 or 50	
2 <sup>1</sup> /2	G681A-250	2.89	60	13	1.14	12.5 or 50	
21/2	G681A-250	2.89	60	13	1.14	12.5 or 50	



For customers who are exporting to Europe and require the higher standard CE approved hoses we offer our G681CE in the sizes listed below.

### G681CE... CE APPROVED HARDWALL MARINE FUEL FILL

1 <sup>1</sup> /2" 2 2 <sup>3</sup> /8	G681CE-150 G681CE-200 G681CE-238	2.48	150 150 150	4 <b>1/2</b> 6 7		12.5 or 50 12.5 or 50 12.5 or 50	See Prices Online
23/8	G681CE-238	2.90	150	/	1.40	12.5 or 50	ontine

G682A has the same features as G681A but with the helix wire left out. It is particularly useful in short lengths for joining filler necks to tanks where space is tight and wire reinforced hoses will not compress enough for easy installation.

### G682A... TYPE A2 SOFTWALL MARINE FUEL FILL

**Tube:** Smooth, black, oil and heat resistant nitrile/pvc blend rubber.

Reinforcement: Two plies of synthetic fabric.

**Cover:** Black, oil, heat and flame resistant nitrile/pvc rubber with wrapped finish.

**Temperature Range:** -40°C (-40°F) to 80°C (176°F).

G682A

Green Line G682A SERIES 355 SOFTWALL

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1 <sup>1</sup> /4"	G682A-125	1.67"	60 psi	0.54 lb	12.5 or 50 ft	
1 <sup>1</sup> /2	G682A-150	1.91	60	0.63	12.5 or 50	
1 <sup>5</sup> /8	G682A-163	2.07	60	0.66	12.5 or 50	
1 <sup>3</sup> /4	G682A-175	2.19	60	0.70	12.5 or 50	See Prices
1 <sup>7</sup> /8	G682A-188	2.30	60	0.74	12.5 or 50	Online
2	G682A-200	2.42	60	0.78	12.5 or 50	
2 <sup>1</sup> /4	G682A-225	2.74	60	1.00	12.5 or 50	
2 <sup>3</sup> /8	G682A-238	2.81	60	1.03	12.5 or 50	

G611A Type A1-15 Fuel Line is specially formulated and constructed to meet the strict requirements set out by SAE J1527 Type A1-15 Marine hose and is required for fuel feed lines where the fuel is constantly sitting in the hose in an enclosed engine compartment.

*Note*: Our G611A also meets European specifications for small craft fire resistant fuel hose under reference ISO 7840/1994 Marine Fuel.

### G611A... TYPE A1 FUEL FEED HOSE

**Tube:** Smooth, black, oil and gasoline resistant nitrile rubber with bonded thermoplastic barrier layer.

Reinforcement: Spiraled synthetic yarn.

**Cover:** Smooth, oil, heat, and weather resistant rubber. Meets USCG Type A1 requirements for flame resistance and permeability.

**Temperature Range:** -20°C (-4°F) to 95°C (203°F).

G611A



I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
1/4"	G611A-025	0.54"	100 psi	0.11 lb	50 or 250ft	
5/16	G611A-031	0.61	100	0.13	50 or 250	See Prices
<sup>3</sup> /8	G611A-038	0.68	100	0.17	50 or 250	Prices Online
1/2	G611A-050	0.82	100	0.21	50 or 250	ontine
5/8	G611A-063	1.00	75	0.30	50 or 250	

Hardwall Marine Exhaust is recommended for wet exhaust service on marine engines and is also designed to handle water intake and general radiator applications. G381 meets SAE J2006 Type R2 specifications for marine exhaust hose.

## G381... HARDWALL MARINE COOLANT & EXHAUST

Tube: Smooth, black, heat resistant SBR rubber compound. MARINE COGLANT AND TYPE CERTIFIED WET EXHAUST SERVICE Reinforcement: Steel helix wire between plies of synthetic fabric.

Cover: Black, heat and weather resistant SBR rubber with wrapped finish.

> Temperature Range: -40°C (-40°F) to 100°C (212°F).

G381

I.D.	Part Number	0.D.	Working Pressure	Bend Radius	Weight per ft	Standard Length	
1/2" 5/8 3/4 7/8 1	G381-050 G381-063 G381-075 G381-088 G381-100	0.89" 1.00 1.12 1.24 1.35	60 psi 60 60 60 60 60	3" 3 3 4 4	0.28 lb 0.30 0.36 0.40 0.44	12.5 or 50 ft 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	See
1 <sup>1</sup> /8 1 <sup>1</sup> /4 1 <sup>5</sup> /16 1 <sup>3</sup> /8 1 <sup>1</sup> /2	G381-113 G381-125 G381-131 G381-138 G381-150	1.47 1.63 1.67 1.75 1.87	60 60 60 60 60	5 5 6 6	0.51 0.57 0.59 0.62 0.66	12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	Prices Online
1 <sup>5</sup> /8 1 <sup>3</sup> /4 1 <sup>7</sup> /8 2 2 <sup>1</sup> /8	G381-163 G381-175 G381-188 G381-200 G381-213	2.03 2.15 2.26 2.40 2.56	60 60 60 60 60	7 7 8 8 9	0.72 0.77 0.81 0.91 0.97	12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	See Prices Online
2 <sup>1</sup> /4 2 <sup>3</sup> /8 2 <sup>1</sup> /2 2 <sup>5</sup> /8 2 <sup>3</sup> /4	G381-225 G381-238 G381-250 G381-263 G381-275	2.68 2.76 2.91 3.23 3.31	60 60 60 60 60	9 10 11 12 12	1.03 1.05 1.10 1.68 1.72	12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	Untine
2 <sup>7</sup> /8 3 3 <sup>1</sup> /8 3 <sup>1</sup> /2 4	G381-288 G381-300 G381-313 G381-350 G381-400	3.43 3.54 3.70 4.09 4.65	60 60 60 60 60	13 13 14 16 19	1.79 1.78 1.98 2.20 2.97	12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	See Prices Online
4 <sup>1</sup> /8 4 <sup>1</sup> /2 5	G381-413 G381-450 G381-500	4.76 5.12 5.67	60 60 60	20 21 22	2.99 3.12 4.09	12.5 or 50 12.5 or 50 12.5 or 50	

## G381C... CORRUGATED MARINE COOLANT & EXHAUST

In larger sizes and tight bending applications sometimes our standard G381 hardwall hose is not suitable. For these applications we provide a corrugated hose that requires less force to bend and offers a tighter bend radius. We stock G381C in the larger and more popular sizes. G381C meets SAE J2006 Type R2 specifications for marine exhaust hose.

G381C

HE COOLANT AND TYPE CERTIFIED WET EXHAUST SERVICE

I.D.	Part Number	0.D.	Working Pressure	Bend Radius	Weight per ft	Standard Length	
1 <sup>1</sup> /2" 1 <sup>5</sup> /8 1 <sup>3</sup> /4 1 <sup>7</sup> /8	G381C-150 G381C-163 G381C-175 G381C-188	1.89" 2.05 2.17 2.30	60 psi 60 60 60	6" 6 7 7	0.61 lb 0.66 0.70 0.74	12.5 or 50 ft 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	
2	G381C-200	2.40	60	7	0.78	12.5 or 50	See
2 <sup>1</sup> /4 2 <sup>3</sup> /8 2 <sup>1</sup> /2 3 4 5	G381C-225 G381C-238 G381C-250 G381C-300 G381C-400 G381C-500	2.68 2.76 2.91 3.41 4.49 5.53	60 60 60 60 60 60	8 8 10 16 22	0.87 0.90 0.99 1.16 1.85 2.75	12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	Prices Online



For extreme temperature service see G384 Silicone Hose in Automotive section

LANT AND TYPE CERTIFIED WET EXHAUST

G388 is for straight connections in engine cooling and wet exhaust applications and has the same features as G381 but without the helix wire. It is particularly useful where installation space is limited and a wire reinforced hose cannot be compressed enough to fit between the end connections. G388 meets SAE J2006 Type R1 specifications for marine exhaust hose.

## G388... SOFTWALL MARINE COOLANT & EXHAUST

Tube: Smooth, black, heat and anti-freeze resistant SBR rubber. Reinforcement: Plies of synthetic fabric.

**Cover:** Black, heat and weather resistant SBR rubber with wrapped finish.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F).

G388

<u>I.D.</u>	Part Number	0.D.	Working Pressure	Weight per ft	Standard Length	
3/4" 7/8 1 1 <sup>1</sup> /8 1 <sup>1</sup> /4	G388-075 G388-088 G388-100 G388-113 G388-125	1.10" 1.26 1.38 1.50 1.69	60 psi 60 60 60 60	0.28 lb 0.37 0.42 0.46 0.58	12.5 or 50 ft 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	See Prices Online
1 <sup>5</sup> /16 1 <sup>3</sup> /8 1 <sup>1</sup> /2 1 <sup>5</sup> /8 1 <sup>3</sup> /4	G388-131 G388-138 G388-150 G388-163 G388-175	1.73 1.81 1.93 2.13 2.20	60 60 60 60 60	0.58 0.62 0.67 0.82 0.78	12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	
1 <sup>7</sup> /8 2 2 <sup>1</sup> /8 2 <sup>1</sup> /4 2 <sup>3</sup> /8	G388-188 G388-200 G388-213 G388-225 G388-238	2.32 2.50 2.62 2.76 2.91	60 60 60 60 60	0.82 1.01 1.06 1.07 1.28	12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	See
2 <sup>1</sup> /2 2 <sup>5</sup> /8 2 <sup>3</sup> /4 2 <sup>7</sup> /8 3	G388-250 G388-263 G388-275 G388-288 G388-300	3.05 3.23 3.31 3.43 3.54	60 60 60 60 60	1.36 1.44 1.47 1.55 1.61	12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	Prices Online
3 <sup>1</sup> /8 3 <sup>1</sup> /4 3 <sup>1</sup> /2 4 4 <sup>1</sup> /8	G388-313 G388-325 G388-350 G388-400 G388-413	3.70 3.79 4.09 4.57 4.69	60 60 60 60 60	1.69 1.74 1.88 2.11 2.17	12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	
41/2 5 51/2 6 6 <sup>5</sup> /8	G388-450 G388-500 G388-550 G388-600 G388-663	5.12 5.63 6.14 6.69 7.50	60 60 60 60 60	2.53 2.80 3.07 3.96 5.04	12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50 12.5 or 50	See Prices Online

Note: For 3<sup>3</sup>/4" used on Volvo marine engines we stock G384-375

Marine

PHTHALATE

1111

FRE

G911 is a heavy duty food grade hose with higher working pressures than standard marine potable water lines. The extra reinforcement, heavier construction and wider size range make it popular for a variety of marine applications including wash down, potable water fill, bilge and pump discharge lines.

#### **G911... VINYLITE®**

**Tube:** Clear, slightly blue tinted PVC that is formulated with ingredients in compliance with FDA, USDA, 3A, and California Proposition 65 requirements.

**Reinforcement:** High tensile spiraled polyester yarn with two blue longitudinal tracers to identify the hose as food grade.

**Cover:** Smooth, clear with a blue tint, abrasion and weather resistant PVC, that is certified to FDA standards.

**Temperature Range:** -5°C (23°F) to 65°C (149°F).

<u>I.D.</u>	Part Number	0.D.	Working at 20°C	Pressure at 50°C	Weight per ft	Standard Length	
1/8"	G911-013	0.33"	350 psi	200 psi	0.04 lb	300 ft	
3/16	G911-019	0.38	250	150	0.06	300	
1/4	G911-025	0.44	250	150	0.06	100 or 300	
5/16	G911-031	0.53	250	135	0.08	300	
3/8	G911-038	0.59	225	125	0.09	100 or 300	See Prices
1/2	G911-050	0.75	200	100	0.13	100 or 300	Online
5/8	G911-063	0.89	200	100	0.18	200	
3/4	G911-075	1.03	150	85	0.22	100 or 200	
1	G911-100	1.30	125	75	0.30	100 or 200	
11/4	G911-125	1.62	100	55	0.45	100	
11/2	G911-150	1.94	100	50	0.64	100	
2	G911-200	2.49	75	35	0.94	100	



**G911** 

G912 is designed for hot and cold pressurized water lines. The hose features an opaque white tube which reduces algae growth in cold water lines. The cover is clear and has a blue tracer. Where cold and hot water lines must be identified for correct connections, we recommend G912 for cold water and G911 for hot water. When coupled with garden hose fittings, it is used for dockside water refilling.

## G912.... REINFORCED VINYL HOSE

**Tube:** White food grade quality PVC that is certified to FDA standards.

**Reinforcement:** High tensile spiraled polyester yarn with blue tracer.

**Cover:** Smooth, clear with a blue tint, abrasion and weather resistant PVC, that is certified to FDA standards.

**Temperature Range:** -5°C (23°F) to 65°C (149°F).

	Part		Working		Weight	Standard	
I.D.	Number	0.D.	at 20°C	at 50°C	per ft	Length	
<sup>1</sup> /2"	G912-050	0.69"	150 psi	60 psi	0.11 lb	50 or 300 ft	See
<sup>5</sup> /8	G912-063	0.85	125	50	0.13	50 or 200	Prices Online
3/4	G912-075	0.99	100	40	0.17	50 or 200	ontine



Marine

G912

#### **G912... WATER HOSE ASSEMBLIES**

We offer our popular potable hose complete with solid machined brass garden hose couplings for fresh water refilling and deck wash down.

I.D.	Length	Part Number	Weight Each	
<sup>1</sup> /2"	25 ft 50	G912-050GHT25 G912-050GHT50	3.0 lb 5.7	See Prices
<sup>5</sup> /8"	25 50	G912-063GHT25 G912-063GHT50	3.5 6.7	Online

G912 Assembly



Green Line Clear Vinyl Tubing is soft, easy to handle, and crystal clear to allow full view of the materials being conveyed. It is economical for use on drains and bait box recirculating lines but is also made from non-toxic compounds to handle drinking water.

### G900.... CLEAR VINYL TUBING

**Construction:** Clear with a slight blue tint, smooth, weather resistant PVC tubing that is in compliance with FDA, USDA, 3A, and California Proposition 65 requirements. Durometer rating Shore "A" 70 to 76. Phthalate free.

**Temperature Range:** - 5°C (23°F) to 70°C (158°F).

**Packaging:** Sizes 1/8" through 7/8" are individually boxed. Sizes 1" and up are individually wrapped.

<u>I.D.</u>	Part Number	0.D.	Wall Thickness	Working Pressure at 20°C	Weight per ft	Standard Length	
1/8"	G900-013-025	1/4"	1/16"	65 psi	0.020 lb	100 ft	
3/ <sub>16</sub>	G900-019-025	1/4	1/32	50	0.012	100	See
<sup>3</sup> /16	G900-019-031	5/ <sub>16</sub>	1/16	55	0.027	100	Prices
3/16	G900-019-038	3/8	<sup>3</sup> / <sub>32</sub>	60	0.045	100	Online
1/4	G900-025-038	3/8	1/16	55	0.034	100	
5/ <sub>16</sub>	G900-031-044	7/16	1/16	50	0.040	100	
3/8	G900-038-050	1/2	1/16	45	0.047	100	
3/8	G900-038-056	9/ <sub>16</sub>	3/32	50	0.075	100	
3/8	G900-038-063	5/8	1/8	55	0.107	100	
7/16	G900-044-056	9/16	1/16	38	0.054	100	See
1/2	G900-050-063	5/ <sub>8</sub>	1/16	30	0.060	100	Prices Online
1/2	G900-050-069	1 <b>1/16</b>	3/32	40	0.095	100	
1/2	G900-050-075	3/4	1/8	45	0.134	100	
5/8	G900-063-088	7/8	1/8	40	0.161	100	
3/4	G900-075-100	1	1/8	35	0.190	100	
7/8	G900-088-113	11/8	1/8	30	0.210	100	
1	G900-100-125	11/4	1/8	25	0.240	100	6
11/4	G900-125-150	11/2	1/8	20	0.300	50	See Prices
11/2	G900-150-188	17/8	3/16	30	0.540	50	Online
2	G900-200-250	21/2	1/4	35	0.960	50	

Pitot tubing is used to connect the speedometer pressure sensor on a boat hull to the speedometer gauge on the instrument dash.

## G900B... PITOT TUBING

**Construction:** Black, smooth, weather resistant PVC tubing. **Temperature Range:** -5°C (23°F) to 65°C (150°F)

I.D.	Part Number	0.D.	Wall Thickness	Working Pressure	Weight per ft	Standard Coil	l Length Bulk	See
<sup>5</sup> /32"	G900B-016-024	0.24"	0.04"	30 psi	0.015 lb	100 ft	1200 ft	Prices Online

G900

G900B

Marine

G301 Black Heater is found in several markets under different aliases. It's excellent temperature range, weathering resistance, and economic price make it a popular choice for many applications, including engine water lines, bilge hose and shower drains. Additional heater hose styles such as red heater & silicone heater can be found in the Automotive Section.

#### G301... HEATER HOSE

**Tube:** Black, heat, and mild-chemical resistant EPDM rubber. **Reinforcement:** Two spirals of synthetic spiraled yarn

**Cover:** Smooth, black, heat, abrasion and weather resistant EPDM rubber.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F) continuous, 125°C (257°F) intermittent.

G301

I.D.	Part Number	0.D.	Working Pressure	Weight per ft	Approx Reel Length	
1/2"	G301-050	0.81"	50 psi	0.16 lb	700 ft	
5/8	G301-063	0.88	35	0.20	700	See Price
3/4	G301-075	1.03	31	0.23	700	Onlin

Boxed	Lengths			
I.D.	Length	Part Number	Weight Each	
1/2"	50 ft	G301-050X50	8.3 lb	See Prices
5/8	50	G301-063X50	10.3	Prices Online
3/4	50	G301-075X50	11.8	ontine
-/4	50	0301-073730	11.0	

Our rubber sanitation hoses offer resistance to odor permeation and toilet chemicals. They are suitable for all head and holding tank connections. The butyl rubber in our white hose has maximum permeation resistance, while our black SBR hose offers a lower priced alternative to compete with other hoses found on the market.

## G380... RUBBER SANITATION HOSE

**Tube:** Smooth, odor resistant white butyl or black SBR rubber. **Reinforcement:** Steel helix wire between plies of synthetic fabric.

**Cover:** Odor resistant white butyl or black SBR rubber with wrapped finish.

**Temperature Range:** -40°C (-40°F) to 100°C (212°F).



Part Number	0.D.	Working Pressure	Bend Radius	Weight per ft	Standard Length	
Tube & Cover	•					
G380-075	1.06"	60 psi	3"	0.29 lb	12.5 or 50 ft	
G380-100	1.30	60	4	0.36	12.5 or 50	
G380-150	1.89	60	6	0.52	12.5 or 50	See Prices
Tube & Cover:	•					Online
G380B-075	1.12	60	3	0.31	12.5 or 50	
G380B-100	1.28	60	4	0.35	12.5 or 50	
G380B-150	1.81	60	6	0.61	12.5 or 50	
	Number Tube & Cover G380-075 G380-100 G380-150 Tube & Cover: G380B-075 G380B-100	Number         0.D.           Tube & Cover:	Number         0.D.         Pressure           Tube & Cover:         60         60           G380-075         1.06"         60           G380-100         1.30         60           G380-150         1.89         60           Tube & Cover:         60         60           G380B-075         1.12         60           G380B-100         1.28         60	NumberO.D.PressureRadiusTube & Cover:	NumberO.D.PressureRadiusper ftTube & Cover:	Number         O.D.         Pressure         Radius         per ft         Length           Tube & Cover:

We offer our standard PVC Sanitation Hose with a smooth, heavy wall construction for easy clamping and good odor resistance. G941M is made from FDA approved materials so that it can be used for potable water fill lines as well as for sanitation system connections, livewell circulation, and heavy-duty bilge applications.

## G941M... PVC SANITATION HOSE

**Construction**: White, flexible PVC, supported by a rigid PVC helix.

**Interior:** Flexible, food grade, FDA approved PVC, smooth for unrestricted flow.

**Exterior:** Smooth, white, weather resistant PVC.

Temperature Range: -20°C (- 4°F) to 65°C (150°F).

<u>I.D.</u>	Part Number	0.D.	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
<sup>5</sup> /8"	G941M-063	0.88"	28" Hg	3"	0.18 lb	50 ft box or 100 ft coil	
3/4	G941M-075	1.00	28	3	0.20	50 ft box or 100 ft coil	
1	G941M-100	1.25	28	3	0.27	50 ft box or 100 ft coil	See
1 <sup>1</sup> /8	G941M-113	1.38	28	3	0.28	50 ft box or 100 ft coil	Prices Online
1 <sup>1</sup> /4	G941M-125	1.50	28	3	0.30	50 ft box or 100 ft coil	Untille
1 <sup>1</sup> /2	G941M-150	1.75	28	4	0.40	50 ft box or 100 ft coil	
2	G941M-200	2.38	28	5	0.60	50 ft box or 100 ft coil	

Marine Head hose is designed for maximum flexibility to make installation in tight confines as easy as possible. The smooth interior allows for unrestricted flow. G941MH is designed for sanitation lines on marine toilets and is also suitable for bilge pump, dockside pump out, and sink drain lines.

### G941MH... CORRUGATED PVC SANITATION HOSE

**Construction:** Cream coloured, flexible PVC, supported by a rigid PVC helix.

Interior: Flexible PVC, smooth for unrestricted flow.

**Exterior:** Cream coloured, weather resistant PVC, corrugated for maximum flexibility.

### **Temperature Range:**

Static condition -20°C (- 4°F) to 65°C (150°F). Dynamic condition -10°C (14°F) to 40°C (104°F).

<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	Bend Radius	Weight per ft	Standard Length	
1"	G941MH-100	1.22"	45 psi	1.0"	0.15 lb	100 ft	500
$1^{1}/4$	G941MH-125	1.50	40	1.5	0.20	100	See Prices
1 <sup>1</sup> /2	G941MH-150	1.80	40	1.8	0.25	100	Online

In the popular 1<sup>1</sup>/<sub>2</sub>" size we offer vinyl screw cuffs that fit over the convoluted cover of G941MH for a positive seal and full internal flow.

#### **G91... VINYL SCREW CUFF**

Hose Size	Cuff Diameter	Part Number	Weight	_
1 <sup>1</sup> /2"	11/2"	G91-150-150	0.15 lb	See Prices Online

**G941M** 





Marine

G930 is our most economical bilge pump hose. The sizes offered will fit most popular pumps and the smooth cuff sections every foot provide easy clamping.

### G930... CORRUGATED BILGE HOSE

**Construction**: Black, corrugated polyethylene tubing with clamping cuff every foot.

**Temperature Range:** -40°C (-40°F) to 95°C (203°F)

<u>I.D.</u>	Part Number	Vacuum <u>Rating</u>	Bend <u>Radius</u>	Weight per ft	Standard Length	
5/8" 3/4 1 <sup>1</sup> /8 1 <sup>1</sup> /4 1 <sup>1</sup> /2	G930-063 G930-075 G930-113 G930-125 G930-150	20" Hg 20 20 20 20	1" 2 4 5 6	0.05 lb 0.06 0.07 0.10 0.13	50 ft box 50 ft box 50 ft box 50 ft box 50 ft box	See Prices Online

Heavy duty bilge hose is designed for applications where high flexibility is required in a durable hose. G941WB is made from FDA approved materials so that it can be used for potable water fill lines.

### G941WB... CLEAR/GRAY HEAVY DUTY BILGE HOSE

**Construction:** Clear, flexible PVC, supported by a gray, rigid PVC helix.

**Interior:** Smooth, abrasion and mild chemical resistant PVC.

**Exterior:** Corrugated, abrasion, weather, and chemical resistant, FDA approved PVC.

Temperature Range: -20°C (-4°F) to 65°C (150°F).

<u>I.D.</u>	Part Number	0.D.	Vacuum Rating	Bend Radius	Weight per ft	Standard Length	
3/4"	G941WB-075	1.00"	20" Hg	1"	0.10 lb	50 ft box or 100 ft coil	
$1^{1}/8$	G941WB-113	1.25	20	1	0.16	50 ft box or 100 ft coil	See
$1^{1}/4$	G941WB-125	1.50	28	2	0.19	50 ft box or 100 ft coil	Prices Online
$1^{1}/2$	G941WB-150	1.75	28	2	0.24	50 ft box or 100 ft coil	ontine



Marine

G941WB

G930

G941K was developed as a general-purpose suction and discharge hose. It is flexible, lightweight, non-marking, and resistant to mild chemical solutions. These features make G941K ideal for many marine applications including deck washdown  $(3/4" - 1^{1/2"})$ , bilge pumping and venting, and scupper drains.

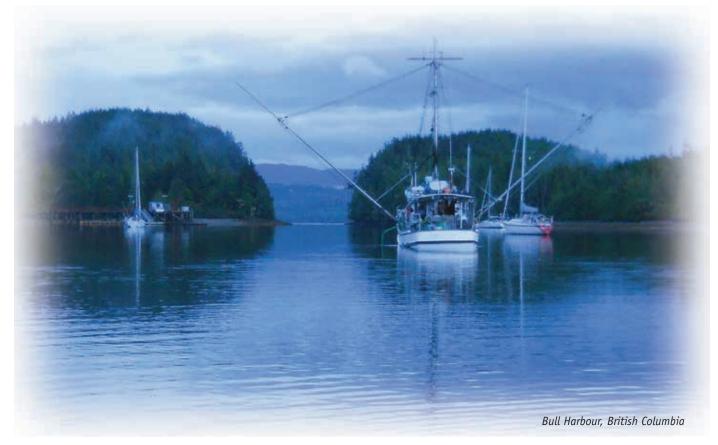
## G941K... PVC SUCTION

**Construction:** Clear, flexible PVC, embedded with a dark green, rigid PVC helix.

**Interior**: Smooth, abrasion and mild chemical resistant PVC. **Exterior**: Abrasion, weather, and chemical resistant PVC that is smooth in sizes through 4", and slightly corrugated for increased flexibility in 6" size.

**Temperature Range:** -20°C (-4°F) to 55°C (130°F).

**Working Pressure** Weight Standard Part Vacuum Bend I.D. Rating 20°C per ft Number 0.D. 20°C 40°C Radius Length 3/4" G941K-075 0.94" 110 psi 70 psi 28"Hq 3" 0.17 lb 100 ft 1 G941K-100 1.26 85 60 28 3 0.22 100  $1^{1/4}$ G941K-125 1.51 85 60 28 4 0.32 100 See G941K-150 1.76 70 50 28 0.36 100 Prices  $1^{1/2}$ 5 Online 2 G941K-200 2.32 65 45 28 7 0.61 100  $2^{1/2}$ G941K-250 2.87 65 45 28 8 0.82 100 40 10 3 G941K-300 3.41 65 28 1.09 100 G941K-400 15 4 4.55 55 35 28 1.91 100 6 G941K-600 6.75 40 25 28 30 3.35 20,40,60or100



G941K

G941BW is manufactured using high molecular weight PVC that stays flexible at sub zero temperatures. Most PVC hoses become stiff when used in winter conditions, but Blue Water can be used year-round for water suction lines in construction, rental, mining, and agricultural applications. An advantage of G941BW over many EPDM rubber hoses is that it is resistant to degradation in oily conditions. While this hose is not designed for oil applications, PVC offers good oil resistance at moderate temperatures.

### **G941BW... BLUE WATER SUCTION**

**Construction:** Clear, flexible, high molecular weight PVC supported by a rigid blue PVC helix.

**Interior:** Smooth, abrasion and mild chemical resistant PVC **Exterior:** Smooth, abrasion, weather, and mild chemical resistant PVC.

**Temperature Range:** -40°C(-40°F) to 65°C (150°F)

G941BW

PHTHALATT

FREE

<u>I.D.</u>	Part Number	0.D.	Working Pressure 20°C	40°C	Vacuum Rating at 20°C	Bend Radius	Weight per ft	Standard Length	
3/4"	G941BW-075	0.94"	115 psi	75 psi	29" Hg	3"	0.19 lb	100 ft	
1	G941BW-100	1.26	90	65	29	3	0.22	100	
$1^{1}/4$	G941BW-125	1.51	90	65	29	4	0.36	100	See
$1^{1}/2$	G941BW-150	1.79	90	65	29	5	0.48	100	Prices
2	G941BW-200	2.38	90	65	29	7	0.62	100	Online
<b>2</b> <sup>1</sup> /2	G941BW-250	2.87	70	48	29	8	0.87	100	
3	G941BW-300	3.44	65	45	29	10	1.23	100	
4	G941BW-400	4.57	55	40	29	15	1.83	100	
5	G941BW-500	5.57	45	30	28	25	2.42	20 or 100	
6	G941BW-600	6.77	40	25	28	30	3.36	20 or 100	

The fabric reinforcing in the wall of G946 provides excellent resistance to constant flexing while still providing a very light-weight and flexible hose. Reinforced vacuum is popular as a superior bilge pump and vent hose, since it resists cracking, yet will conform to very tight bends without collapsing.

## G946... REINFORCED BILGE & VACUUM HOSE

**Construction:** Fiber reinforced PVC laminate bonded to a coated spring steel helix wire. **Temperature Range:** -30°C (-22°F) to 65°C (150°F).

	Part		Working	Vacuum	Weight	Standard	
<u>I.D.</u>	Number	0.D.	Pressure	Rating	per ft	Length	
$1^{1}/4''$	G946-125	1.40″	45 psi	27″ Hg	0.17 lb	50 ft	
$1^{1}/2$	G946-150	1.67	36	26	0.25	50	
$1^{3}/4$	G946-175	1.92	35	26	0.29	50	See
2	G946-200	2.17	26	25	0.33	50	Prices
21/4	G946-225	2.42	23	25	0.37	50	Online
2 <sup>1</sup> /2	G946-250	2.67	20	24	0.41	50	
3	G946-300	3.18	20	24	0.47	25	
3 <sup>1</sup> /2	G946-350	3.69	16	20	0.61	25	
4	G946-400	4.20	14	18	0.85	25	





AV is a lightweight vinyl duct supported by a steel wire for use in venting bilge fumes. It is also suitable for bathroom fan and general purpose air exhaust. In the past, AV was commonly used for venting clothes dryers, however it is no longer recommended for that application. Clothes dryer duct should be UL listed and be made from a metallic fire resistant material.

## AV & AVB... AIR VENT & BLOWER DUCTING

**Construction:** White or black vinyl supported by a 0.034" steel wire helix.

**Temperature Range:** -20°C (-4°F) to 65°C (150°F).

<u>I.D.</u>	Part Number	Wall Thickness	Weight per ft	Standard Length	
<b>White</b> 3"	AV-300	3.50 mm	0.08 lb	50 ft	See
<b>Black</b> 4	AVB-400	3.50	0.10	50	See Prices Online



This extremely flexible and lightweight hose was originally designed as a wet or dry vacuum hose. In the marine industry it is popular for use as an outboard cable cover to bundle and protect cables. The hose is crush-proof because it returns to its original shape when collapsed or twisted.

## G940... OUTBOARD CABLE COVER

**Construction:** Grey, extruded, abrasion-resistant polyethylene, helically wound on itself to produce an airtight hose with a smooth interior and a durable exterior cap. **Temperature Range:** -40°C (-40°F) to 55°C (131°F).

G940

<u>I.D.</u>	Part Number	0.D.	Vacuum Rating at 20°C	Weight per ft	Standard Length	
1 <sup>1</sup> /4"	G940-125	1.60"	16"Hg	0.14 lb	50 ft	<u> </u>
$1^{1}/2$	G940-150	1.90	13	0.17	50	See Prices
2	G940-200	2.45	7	0.25	50	Online

### **G90... VINYL SCREW CUFFS**

Vinyl Screw Cuffs are threaded to fit over G940 hose, providing a tight seal and full internal flow.

Hose Size	Cuff Diameter	Part Number	Weight Each	
1 <sup>1</sup> /4"	1 <sup>1</sup> /4"	G90-125-125	0.10 lb	
$1^{1}/4$	$1^{1}/2$	G90-150-125	0.15	
$1^{1}/2$	$1^{1}/4$	G90-125-150	0.20	6
$1^{1}/2$	1 <sup>1</sup> /2	G90-150-150	0.18	See Prices
1 <sup>1</sup> /2	2	G90-200-150	0.20	Online
2	11/2	G90-150-200	0.20	
2	2	G90-200-200	0.25	
Swivel (	Cuffs			
1 <sup>1</sup> /2"	1 <sup>1</sup> /2	G90S-150-150	0.20	
2	2	G90S-200-200	0.40	

Split Conduit or Split Loom, as it is often called, provides a convenient method for bundling electrical wires in automotive and marine applications.

### G830... SPLIT CONDUIT

**Construction**: Convoluted black medium density polyethylene, split along length.

Temperature Range: -40°C (-40°F) to 93°C (200°F)

<u>I.D.</u>	Part Number	0.D.	Wall Thickness	Reel	Standard Length el Bulk	
<sup>1</sup> /4"	G830-025	0.39"	0.004"	500 ft	3200 ft	
<sup>1</sup> /4" 3/8	G830-038	0.51	0.005	500	2000	
<sup>1</sup> /2	G830-050	0.68	0.005	500	1200	See
5/8	G830-063	0.82	0.005	150	900	Prices Online
3/4	G830-075	0.94	0.005	150	600	Untille
1	G830-100	1.28	0.006	150	300	
1 <sup>1</sup> /4	G830-125	1.47	0.006	150	250	









## TUBING

### G400... COPPER TUBING

The copper tubing shown here is soft copper (annealed temper) tube that is easily bent and formed, and suitable for easy use with compression and flare type fittings. It is not used for residential or commercial water supply installations. Generally domestic water copper lines are rigid drawn tubing of hard temper that is supplied in 12 foot straight lengths, and is supplied according to local code requirements (generally ASTM B88 TYPE K, L or M).

Other types available on special order are polyethylene coated copper tubing to ASTM B88/B837 for underground gas installations and ASTM B837 TYPE G for above ground natural gas and propane supply.

Note: For building installations, users should check local building codes to determine requirements.



**Construction:** Soft annealed, seamless, bright finish copper tubing.

<u>0.D.</u>	Part Number	Wall Thickness	Working Pressure at 20°C	Weight per ft	Standard Length	
G400A	CR ASTM B280 cle	aned & capp	ed for air con	ditioning, re	efrigeration (ACR)	& general use
<sup>1</sup> /8	G400ACR-02	0.030"	2400 psi	0.035 lb	50 ft	
<sup>3</sup> / <sub>16</sub>	G400ACR-03	0.030	1600	0.058	50	
1/4	G400ACR-04	0.030	1200	0.080	50 or 100	
<sup>5</sup> /16	G400ACR-05	0.032	1020	0.109	50	See Prices
<sup>3</sup> /8	G400ACR-06	0.032	850	0.134	50 or 100	Online
1/2	G400ACR-08	0.032	640	0.182	50 or 100	
<sup>5</sup> /8	G400ACR-10	0.035	560	0.251	50 or 100	
3/4	G400ACR-12	0.035	470	0.305	50	
G400K	ASTM B88 TYPE K	heavy wall f	for water serv	ice, natural	& propane gas	
<sup>3</sup> /8	G400K-06	0.035	900	0.145	50 or 100	
1/2	G400K-08	0.049	990	0.269	50 or 100	See Prices
<sup>5</sup> /8	G400K-10	0.049	780	0.344	50 or 100	Online
3/4	G400K-12	0.049	640	0.418	66	
Due to	fluctuations in the	market price	of conner tub	ing prices m	ay yary over the co	urse of a vear

Due to fluctuations in the market price of copper, tubing prices may vary over the course of a year. Please contact us for a current quotation.

Green Line Clear Vinyl Tubing is soft, easy to handle, and crystal clear to allow full view of the materials being conveyed. It is non-toxic to handle beer and wine, drinking water, fruit juices, soft drinks, and other foods and beverages. G900 is popular for photographic and soap solutions, mild chemicals and acids, and general laboratory use.

PHTHALATE

### G900... CLEAR VINYL

**Construction:** Clear with a slight blue tint, smooth, weather resistant PVC tubing that is in compliance with FDA, USDA, 3A, and California Proposition 65 requirements. Durometer rating Shore "A" 70 to 76. Phthalate free.

**Temperature Range:** -  $5^{\circ}C$  (23°F) to 70°C (158°F).

**Packaging:** Sizes 1/8" through 7/8" are individually boxed. Sizes 1" and up are individually wrapped.

G900

			0	7			
<u>I.D.</u>	Part Number	0.D.	Wall Thickness	Working Pressure at 20°C	Weight per ft	Standard Length	
1/8" 3/16 3/16 3/16 1/4	G900-013-025 G900-019-025 G900-019-031 G900-019-038 G900-025-038	1/4" 1/4 5/16 3/8 3/8	1/16" 1/32 1/16 3/32 1/16	65 psi 50 55 60 55	0.020 lb 0.012 0.027 0.045 0.034	100 ft 100 100 100 100	See Prices
<sup>5</sup> /16 <sup>3</sup> /8 <sup>3</sup> /8 <sup>3</sup> /8 <sup>3</sup> /8 7/16	G900-025-058 G900-031-044 G900-038-050 G900-038-056 G900-038-063 G900-044-056	5/8 7/16 1/2 9/16 5/8 9/16	1/16 1/16 3/32 1/8 1/16	50 45 50 55 38	0.034 0.040 0.047 0.075 0.107 0.054	100 100 100 100 100 100	Online
1/2 1/2 1/2 5/8 3/4	G900-050-063 G900-050-069 G900-050-075 G900-063-088 G900-075-100	5/8 11/16 3/4 7/8 1	1/16 3/32 1/8 1/8 1/8	30 40 45 40 35	0.060 0.095 0.134 0.161 0.190	100 100 100 100 100	See Prices Online
<sup>7</sup> /8 1 1 <sup>1</sup> /4 1 <sup>1</sup> /2 2	G900-088-113 G900-100-125 G900-125-150 G900-150-188 G900-200-250	11/8 11/4 11/2 17/8 21/2	1/8 1/8 1/8 3/16 1/4	30 25 20 30 35	0.210 0.240 0.300 0.540 0.960	100 100 50 50 50	

Commonly used in beer and soft-drink dispenser systems, the special dual durometer construction of G902 allows for greater kink resistance than our traditional tubing while maintaining excellent taste protection properties. The clear tubing is commonly used for beverage transfer while the red is commonly used for air or carbon dioxide supply. Black tubing is available upon special request.

## G902... BEVERAGE TUBING

**Construction:** Dual durometer tubing using clear food grade PVC inner contact surface that is in compliance with FDA (CFR Title Parts 170 to 199) and clear or red PVC outer layer. Phthalate free. **Temperature Range:**  $-4^{\circ}C$  (25°F) to 65°C (149°F).

1902	PHTHALATE FREE						PHTHAL		0
	Same Repair and	<u>I.D.</u>	Part Number	0.D.	Wall Thickness	Working Pressure at 20°C	Weight per ft	Standard Length	
		Clear <sup>3/16</sup> "	G902-019-044	7/ <sub>16</sub> "	1/4"	80 psi	0.067 lb	100 ft	See
		1/4	G902-025-050	1/2	1/4	70	0.080	100	See Prices Online
		3/8 Red	G902-038-063	5/8	1/4	50	0.107	100	
		<sup>5</sup> /16	G902R-031-056	9/16	1/4	60	0.094	100	

## G900AS... ANTI-STATIC TUBING

Anti-static tubing is used for loading ammonium nitrate/fuel oil blasting agents. Specially compounded PVC provides conductivity to safely dissipate static electricity yet provides sufficient resistance to protect the blasting circuit against stray current.

Note: Coils of tubing can be heated with steam or hot water to remove the coil set and aid in attachment. Once hot, the tubing can be laid out in a straight line and allowed to cool.

**Construction:** Black anti-static PVC compound with orange stripe for visibility and easy identification.

**Temperature Range:** -35°C (-30°F) to 65°C (150°F).



<u>I.D.</u>	Part Number	0.D.	Working Pressure at 20°C	Weight per ft	Standard Length	
<sup>5</sup> /8" <sup>3</sup> /4	G900AS-063-086 G900AS-075-106	0.86" 1.06	120 psi 120	0.18 lb 0.28	200 ft 200	See Prices Online

Pitot tubing is used to connect the speedometer pressure sensor on a boat hull to the speedometer gauge on the instrument dash.

### G900B... PITOT TUBING

**Construction:** Black, smooth, weather resistant PVC tubing. **Temperature Range:** -5°C (23°F) to 65°C (150°F).

G900B

**G900AS** 

I.D.	Part Number	0.D.	Wall Thickness	Working Pressure	Weight per ft	Standard Coil	l Length Bulk	
<sup>5</sup> /32"	G900B-016-024	0.24"	0.04"	30 psi	0.015 lb	100 ft	1200 ft	See Prices Online

## **UNREINFORCED TUBING**

G900G is an unreinforced tubing typically used for open ended low pressure feed or drain lines in green houses. For higher pressure service, see G901Y in the water section of this catalog.

#### **G900G... VINYL IRRIGATION TUBING**

**Construction**: Black flexible PVC tube with green cover. **Temperature Range**: -5°C (23°F) to 70°C (158°F).

<u>I.D.</u>	Part Number	0.D.	Wall Thickness	Working Pressure at 20°C	Weight per ft	Standard Length	
Green							
<sup>5</sup> /8" <sup>3</sup> /4 1	G900G-063-081 G900G-075-100 G900G-100-125	<sup>13</sup> /16" 1 1 <sup>1</sup> /4	3/32" 1/8 1/8	40 psi 35 25	0.12 lb 0.21 0.28	100 or 200 ft 100 or 200 100 or 200	See Prices Online

G1700 Polyurethane tubing is formulated for good resistance to gasoline and solvents. It is extremely resilient and kink-resistant and stays flexible at very low temperatures. Because of these useful characteristics, G1700 is used as a fuel line on small gas engines, especially where it is helpful to see the fuel in the line. Polyurethane tubing is often also used as a sleeve over wire cable to prevent the wire from chafing.

### G1700... POLYURETHANE TUBING

**Construction:** Smooth, yellow-tinted clear ether-based Polyurethane tubing.

Temperature Range: -50°C (-58°F) to 70°C (158°F).

G1700

<u>I.D.</u>	Part Number	0.D.	Wall Thickness	Working Pressure at 20°C	Weight per ft	Standard Length	
1/8"	G1700-013-025	1/4"	1/16"	180 psi	0.02 lb	100 ft	
3/16	G1700-019-031	5/16	1/16	150	0.03	100	
1/4	G1700-025-038	3/8	1/16	130	0.05	100	
5/16	G1700-031-044	7/16	1/16	130	0.08	100	See Prices
3/8	G1700-038-050	1/2	1/16	120	0.08	100	Online
1/2	G1700-050-075	3/4	1/8	90	0.13	100	
3/4	G1700-075-100	1	1/8	50	0.18	50	

## **UNREINFORCED TUBING**

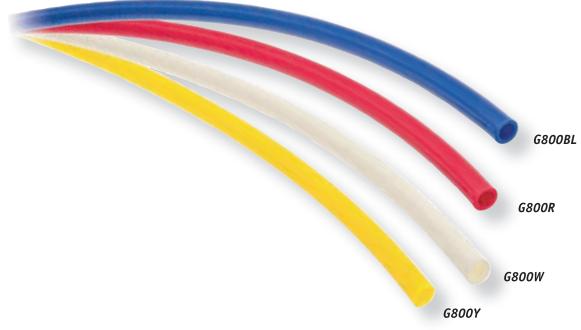
G800 Polyethylene Tubing has excellent chemical resistance, and is very resistant to stress cracking. Polyethylene tubing is widely used for air instrumentation and control, water and beverage, and chemical lines.

## **G800... POLYETHYLENE TUBING**

**Construction**: Smooth, natural color (translucent, milky-white), FDA approved, low density polyethylene (part number G800), or high density polyethylene (part number G800H). **Temperature Range**: -40°C (-40°F) to 70°C (158°F).

				Working			
	Part			Pressure	Weight	Standard	
0.D.*	Number	I.D.	Color	at 20°C	per ft	Length	
Low Der	nsity						
<sup>1</sup> /4"	G800-04	0.17"	Natural	125 psi	0.011 lb	500 ft	
1/4	G800-04-02	0.13	Natural	150	0.018	500	See
<sup>5</sup> /16	G800-05	0.19	Natural	125	0.015	500	Prices
<sup>3</sup> /8	G800-06	0.25	Natural	125	0.021	500	Online
1/2	G800-08	0.38	Natural	100	0.035	500	
5/8	G800-10	0.50	Natural	70	0.043	500	
<sup>3</sup> /4	G800-12	0.63	Natural	60	0.058	500	
High De	ensity						
3/8	G800H-06	0.25	Natural	200	0.027	500	
<sup>1</sup> /2	G800H-08	0.38	Natural	200	0.038	500	See
Coloure	d High Pressure	e Tubing					Prices Online
3/8	G800BL-06	0.25	Blue	230	0.025	500	ontine
3/8	G800R-06	0.25	Red	230	0.025	500	
3/8	G800W-06	0.25	Solid white	230	0.025	500	
3/8	G800Y-06	0.25	Yellow	230	0.025	500	

\*Note: unlike hose, polyethylene tubing is ordered by outside diameter (0.D.)



G805 is rarely found outside of the agricultural market. EVA tubing is used where a low-cost product is required for seed and fertilizer dispersal on air seeding and similar equipment. Ethyl vinyl acetate (EVA) is stiff enough to be self supporting and resist kinking and it provides good chemical and weathering resistance.

#### G805... EVA TUBING

**Construction**: Smooth, natural color (translucent, milkywhite), general purpose grade ethyl vinyl acetate (EVA).

**Temperature Range:** -45°C (-50°F) to 50°C (122°F).

<u>I.D.</u>	Part Number	0.D.	Wall Thickness	Working Pressure at 20°C	Weight per ft	Standard Length	
Natura	al						
1/2"	G805-050-075	0.75"	0.125"	125 psi	0.10 lb	300 ft	
7/8	G805-088-112	1.122	0.124	100	0.17	100	
15/16	G805-094-119	1.188	0.125	100	0.18	200	See
1	G805-100-125	1.25	0.125	100	0.19	100	Prices Online
1.04	G805-104-126	1.26	0.110	100	0.19	100	ontine
Black							
1/2	G805B-050-075	0.75	0.125	125	0.10	300	
1	G805B-100-125	1.25	0.125	100	0.19	100	

G800N Nylon Tubing is odorless, non-toxic and will not become brittle with age. Nylon is resistant to most chemicals, will withstand repeated flexing without fatigue, stays flexible at low temperatures, and has good abrasion resistance.

#### **G800N... NYLON TUBING**

**Construction:** Smooth, natural colour (translucent, milky-white), FDA approved Polyamide tubing.

Temperature Range: -40°C (-40°F) to 95°C (203°F).

<u>0.D.*</u>	Part Number	I.D.	Working Pressure at 20°C	Weight per ft	Standard Length	
1/8" 5/32 3/16 1/4 5/16	G800N-02 G800N-02.5 G800N-03 G800N-04 G800N-05	0.094" 0.106 0.138 0.180 0.250	250 psi 250 200 200 200	0.003 lb 0.005 0.006 0.011 0.015	100 ft 100 100 100 100	See Prices Online
3/8	G800N-06	0.295	250	0.021	100	

\*Note: unlike hose, nylon tubing is ordered by outside diameter (0.D.)

Tubing

### UNREINFORCED TUBING

PTFE tubing is used where external environments, particularly high temperatures, or exposure to chemicals make other tubing materials unsuitable. Teflon<sup>®</sup> is chemically very inert, is UV stable, does not support combustion, and maintains its mechanical properties in severe conditions. Our PTFE tubing is produced with FDA compliant resins for use in food applications.

(Note: Teflon<sup>®</sup> is a registered trademark of DuPont corporation)

#### G800T... PTFE (TEFLON°) TUBING

**Construction:** Smooth, natural colour (translucent milky-white) FDA and 3A approved polytetrafluoroethylene tubing. **Temperature Range:**  $-200 \degree C (-328 \degree F)$  to  $260 \degree C (500 \degree F)$ .

0.D.	Part Number	I.D.	Working Pressure at 20° C	Weight per ft	Standard Length	
1/4"	G800T-04	0.188"	175 psi	0.020 lb	500 ft	See
3/8	G800T-06	0.250	240	0.058	250	Prices Online
1/2	G800T-08	0.375	175	0.081	250	Untille

Here's a unique product you've probably run across. Signal Bell Tubing is used by gas stations to announce your arrival at their pumps. Municipalities and Highway Departments use this durable product as part of their traffic counting system. Green Line Signal Bell Tubing is made with extruded rubber that withstands the continual weight and punishment of vehicles driving over it. This tough, resilient tubing is designed for use with all standard call systems.

#### G200... SIGNAL BELL TUBING

**Construction:** Smooth, black, abrasion, weather and ozone resistant EPDM rubber tubing.

Temperature Range: -40°C (-40°F) to 95°C (203°F)

<u>I.D.</u>	Part Number	0.D.	Wall Thickness	Weight per ft	Standard Length	
3/8"	G200-038-060	0.60"	0.11"	0.08 lb	100 ft	See Prices Online



ubing

**G800T** 

**DUCTING & VACUUM HOSE 11** 

619

330C

# VACUUM HOSE

An extremely flexible and lightweight hose for vacuuming wet or dry materials in shops and car washes. The hose is crush-proof because it returns to its original shape when collapsed or twisted.

#### G940... COMMERCIAL VACUUM

**Construction**: Grey, extruded, abrasion-resistant polyethylene, helically wound on itself to produce an airtight hose with a smooth interior and a durable exterior cap.

**Temperature Range:** -40°C (-40°F) to 60°C (140°F).

I.D.	Part Number	0.D.	Vacuum Rating at 20°C	Weight per ft	Standard Length	
$1^{1}/4$ "	G940-125	1.60"	16"Hg	0.14 lb	50 ft	500
1 <sup>1</sup> /2	G940-150	1.90	13	0.17	50	See Prices
2	G940-200	2.45	7	0.25	50	Online

This crush-proof hose is designed to handle the chemicals, temperatures, and hard wear encountered in professional carpet steam cleaning operations. The flat exterior cap prevents hang-ups around corners. G945 is also excellent for commercial car vacuum stations and wherever a rugged vacuum hose is required.

Standard 50 ft. lengths come complete with permanently attached cuffs at both ends.

#### G945... ALL-PURPOSE VACUUM

**Construction:** A co-extrusion of polyethylene-based compounds. The tube is compounded for resistance to detergents and chemicals; the cover is formulated for maximum abrasion resistance. The two T shaped helixes interlock to provide

an airtight hose with smooth tube and cover. Black tube and blue cover.

**Temperature Range:** -40°C (-40°F) to 60°C (140°F).

I.D.	Part Number	0.D.	Vacuum Rating at 20°C	Weight per ft	Standard Length	
1 <sup>1</sup> /4"	G945-125	1.60"	29" Hg	0.19 lb	50 ft	See
$1^{1}/2$	G945-150	2.00	29	0.27	50	See Prices
2	G945-200	2.48	29	0.38	50	Online

G940

Duct & Vacuum

G945

# **VACUUM HOSE**



G90





Vinyl Screw Cuffs and Unions are threaded to fit over G940 and G945 vacuum hoses, providing a tight seal and full internal flow. We also offer G90S swivel cuffs to resist hose twisting.

#### G90... VINYL SCREW CUFFS

Hose Size	Cuff Diameter	Part Number	Weight Each				
1 <sup>1</sup> /4"	11/4"	G90-125-125	0.10 lb				
$1^{1}/4$	$1^{1}/2$	G90-150-125	0.15				
$1^{1}/2$	$1^{1}/4$	G90-125-150	0.20				
$1^{1}/2$	$1^{1}/2$	G90-150-150	0.18	See			
1 <sup>1</sup> /2	2	G90-200-150	0.20	Prices			
2	11/2	G90-150-200	0.20	Online			
2	2	G90-200-200	0.25				
Swivel Cuffs							
1 <sup>1</sup> /2"	1 <sup>1</sup> /2	G90S-150-150	0.20				
2	2	G90S-200-200	0.40				

#### G90U... VINYL SCREW UNIONS

Hose	Part	Weight	
Size	Number	Each	
1 <sup>1</sup> /4"	G90U-125-125	0.12 lb	See
1 <sup>1</sup> /2	G90U-150-150	0.15	Prices
2	G90U-200-200	0.25	Online

The fabric reinforcing in the wall of G946 Vacuum provides excellent resistance to constant flexing while still providing a very lightweight and flexible hose. Reinforced vacuum also is popular as a superior bilge pump and vent hose, since it resists cracking, yet will conform to very tight bends without collapsing.

#### G946... REINFORCED VACUUM

**Construction:** Fiber reinforced PVC laminate bonded to a coated spring steel helix wire.

**Temperature Range:** -30°C (-22°F) to 65°C (150°F).

	Part		Working	Vacuum	Weight	Standard	
I.D.	Number	0.D.	Pressure	Rating	per ft	Length	
1 <sup>1</sup> /4"	G946-125	1.40"	45 psi	27" Hg	0.17 lb	50 ft	
1 <sup>1</sup> /2	G946-150	1.67	36	26	0.25	50	
$1^{3}/4$	G946-175	1.92	35	26	0.29	50	See
2	G946-200	2.17	26	25	0.33	50	Prices
2 <sup>1</sup> /4	G946-225	2.42	23	25	0.37	50	Online
2 <sup>1</sup> /2	G946-250	2.67	20	24	0.41	50	
3	G946-300	3.18	20	24	0.47	25	
31/2	G946-350	3.69	16	20	0.61	25	
4	G946-400	4.20	14	18	0.85	25	

# **DUCTING & VACUUM HOSE**



#### DF... DUST-FLEX DUCTING

Dust-flex is an economical choice for sawdust collection and fume ventilation in woodworking applications. The clear PVC allows blockages to be detected and the flexible construction allows for easy installation.

**Construction:** Clear, thin PVC reinforced with a black PVC encapsulated steel wire helix. PVC wall thickness is 0.020" in  $2^{1}/2"$  size and 0.024" in 4" size.

**Temperature Range:** -30°C (-22°F) to 75°C (167°F).

I.D.	Part Number	Working Pressure	Vacuum Rating	Weight per ft	Standard Length	
2 <b>1/2</b> " 4	DF-250 DF-400	18 psi 15	20" Hg 15	0.19 lb 0.53	10 ft 10	See Prices Online

# 

#### DFU... POLYURETHANE DUST-FLEX DUCTING

Polyurethane provides a much better abrasion and puncture resistance than PVC, and has the added benefits of excellent chemical and oil resistance as well as a wide temperature range.

**Construction:** Smoke grey translucent polyurethane with a black encapsulated steel wire helix. Polyurethane wall thickness is  $0.020^{"}$  in  $2^{1}/2^{"}$  size and  $0.024^{"}$  in 4" size.

**Temperature Range:** -40°C (-40°F) to 93°C (200°F).

I.D.	Part Number	Working Pressure	Vacuum Rating	Weight per ft	Standard Length	
2 <sup>1</sup> /2"	DFU-250	18 psi	15" Hg	0.21 lb	10 ft	See Prices
4	DFU-400	13	12	0.48	10	Online

# **DUCTING & VACUUM HOSE**

This extremely flexible, all-plastic hose is for conveying light particles, fumes, and air in ducting applications. G941GT is an economical product for fume and light dust collection, business machine air vent lines, bilge venting and material chutes.



#### G941GT... PVC DUCTING

**Construction:** Clear, thin, flexible PVC, supported by a rigid PVC helix.

**Interior:** Abrasion and mild chemical resistant PVC that is smooth when laid straight.

**Exterior:** Hard, grey PVC helix that protrudes above the clear tube to reduce resistance and abrasion when the hose is dragged.

Temperature Range: -20°C (-4°F) to 65°C (150°F).

<u>I.D.</u>	Part Number	0.D.	Workin 20°C	g Pressure 40°C	Vacuur 20°C	n Rating 40°C	Min. Bend Radius	Weight per ft	Standard Length	
1 <sup>1</sup> /2"	G941GT-150	1.82"	20 psi	7 psi	22"Hg	14"Hg	1.4"	0.23 lb	100 ft	
2	G941GT-200	2.39	15	6	21	12	2.0	0.32	100	
2 <sup>1</sup> /2	G941GT-250	2.89	10	5	19	10	2.4	0.39	100	
3	G941GT-300	3.46	10	5	18	10	3.0	0.50	100	See
4	G941GT-400	4.50	8	4	13	7	3.5	0.77	100	Prices Online
5	G941GT-500	5.50	7	3	10	6	5.0	0.91	100	
6	G941GT-600	6.54	6	3	7	5	6.0	1.07	100	
8	G941GT-800	8.59	4	2	5	3	8.0	1.74	50	
10	G941GT-1000	10.61	2	1	3	1	10.0	2.70	50	

G941CG was originally developed as a cover guard for cable protection. However we stock the 4" size because it is popular as a light duty collection duct for wood working and other shop uses where a low-cost ducting is required.

#### G941CG... LIGHT DUTY DUCTING AND COVER GUARD

**Construction**: Clear, thin, flexible PVC, supported by a rigid PVC helix.

**Interior:** Abrasion and mild chemical resistant PVC that is smooth when laid straight.

**Exterior**: Hard, grey PVC helix that protrudes above the clear tube to reduce resistance and abrasion when the hose is dragged.

**Temperature Range:** -20°C (-4°F) to 65°C (150°F).

Working Min. Vacuum Standard Part Pressure Rating Bend Weight I.D. Number 0.D. 20°C 40°C 20°C 40°C Radius per ft Length See Prices Online 4″ G941CG-400 4.35" 6 psi 2 psi 5"Hg 2"Hg 3.5" 0.55 lb 100 ft

G941CG

AV is a lightweight vinyl duct supported by a steel wire for use in venting bilge fumes. It is also suitable for bathroom fan and general purpose air exhaust. In the past, AV was commonly used for venting clothes dryers, however it is no longer recommended for that application. Clothes dryer duct should be UL listed and be made from a metallic fire resistant material.

#### AV & AVB... AIR VENT & BLOWER DUCTING

**Construction:** White or black vinyl supported by a 0.034" steel wire helix.

**Temperature Range:** -20°C (-4°F) to 65°C (150°F).

I.D.	Part Number	Wall Thickness	Weight per ft	Standard Length	
White 3"	AV-300	3.50 mm	0.08 lb	50 ft	See
<b>Black</b> 4	AVB-400	3.50	0.10	50	See Prices Online

AVB

AV

Polyurethane is an amazingly durable and abrasion resistant material. Because of this feature, Urethane Blower hose can be very lightweight and flexible and yet stand up to abrasion that would wear out comparable PVC or polyethylene hoses almost immediately. Urethane Blower hose is great for insulation blowing, lawn cleaning, leaf collection and abrasive material chutes. Polyurethane also remains flexible at very low temperatures.

#### G1740... URETHANE BLOWER

**Construction:** Translucent, thin, flexible polyurethane, supported by a rigid green PVC helix.

**Interior:** Highly abrasion resistant polyurethane that is smooth when laid straight.

**Exterior**: Hard, green PVC helix that protrudes above the clear tube to reduce resistance and abrasion when the hose is dragged.

Temperature Range: -40°C (-40°F) to 65°C (150°F).

I.D.	Part Number	0.D.	Workin Pressu 20°C	-	Vacuum Rating 20°C	Bend Radius	Weight per ft	Standard Length	
1 <sup>1</sup> /2" 2 2 <sup>1</sup> /2 3 4	G1740-150 G1740-200 G1740-250 G1740-300 G1740-400	1.82" 2.39 2.89 3.46 4.50	20 psi 15 10 10 8	7 psi 6 5 5 4	22"Hg 21 19 18 13	1.5" 2.0 2.5 3.0 4.0	0.23 lb 0.32 0.40 0.49 0.77	50 ft 50 50 50 50 50	See Prices Online



G1740

PHTHALATE

Our black DP Ducting is well known for providing exceptional service in fume removal, dehumidification and ventilation applications including enclosed space ventilation. The chemical and puncture resistant, self-extinguishing construction allows for longer life in light material handling while minimizing wear. DP Ducting is UL94V-0 listed.

#### **DP... DOUBLE-PLY POLYESTER DUCTING**

**Construction:** Two plies of black polyester fabric that have been coated with neoprene rubber and wrapped over a galvanized steel wire helix.

**Temperature Range:** -40°C (-40°F) to 121°C (250°F).

**Note:** Working pressure and vacuum ratings are for straight lengths at 22°C (72°F).



<u>I.D.</u>	Part Number	Working Pressure	Vacuum Rating	Weight per ft	Standard Length	
1 <sup>1</sup> /4"	DP-125	41 psi	30″ Hg	0.18 lb	25 ft	
$1^{1}/2$	DP-150	41	30	0.21	25	
$1^{3}/4$	DP-175	35	28	0.27	25	See
2	DP-200	33	28	0.33	25	Prices Online
21/4	DP-225	30	28	0.36	25	
21/2	DP-250	27	28	0.38	25	
3	DP-300	23	27	0.50	25	
3 <sup>1</sup> /2	DP-350	20	26	0.60	25	
4	DP-400	18	25	0.70	25	
5	DP-500	14	18	0.82	25	
6	DP-600	14	14	0.94	25	
7	DP-700	12	12	1.22	25	
8	DP-800	11	10	1.37	25	
9	DP-900	10	6	1.45	25	See
10	DP-1000	10	5	1.48	25	Prices Online
12	DP-1200	8	3	1.77	25	
14	DP-1400	6	2	2.64	25	
16	DP-1600	5	2	2.96	25	
18	DP-1800	3	1	3.37	25	
20	DP-2000	2	-	3.79	25	

Our thermoplastic rubber ducting is constructed from the highest grade material available. The resulting product has great ozone, ultra-violet, and weathering resistance. TPR duct is well suited to most industrial ventilation and light material handling applications, and is also resistant to a wide variety of chemicals and solvents. The unique, flexible rubber compound has excellent tear and puncture resistance and functions well over a wide temperature range.

#### **TPR... THERMOPLASTIC RUBBER**

**Construction**: Black, thermoplastic rubber (Santoprene<sup>®</sup>,) encapsulating a galvanized wire helix. Ducting wall thickness is 0.025".

Wear Strip Option: This duct is available with an external wear strip (part number TPRW)

Temperature Range: -50°C (-58°F) to 135°C (275°F).

<u>I.D.</u>	Part Number	Working Pressure	Vacuum Rating	Weight per ft	Standard Length	
2" 2 <sup>1</sup> /4 2 <sup>1</sup> /2	TPR-200 TPR-225 TPR-250	17 psi 15 13	28" Hg 28 28	0.24 lb 0.28 0.29	25 or 50 ft 25 or 50 25 or 50	See
3 3 <sup>1</sup> /2	TPR-300 TPR-350	10 10	28 26	0.32 0.44	25 or 50 25 or 50	Prices Online
4 41/2 5 51/2 6	TPR-400 TPR-450 TPR-500 TPR-550 TPR-600	10 9 9 8 8	25 15 15 12 12	0.50 0.63 0.64 0.75 0.85	25 or 50 25 or 50 25 or 50 25 or 50 25 or 50 25 or 50	
7 8 10 12 14	TPR-700 TPR-800 TPR-1000 TPR-1200 TPR-1400	7 6 4 4 2	10 6 5 4 2	0.95 1.20 1.63 1.87 1.90	25 or 50 25 or 50 25 or 50 25 or 50 25 or 50 25 or 50	See
WEAR ST	TRIP DUCTING:					Prices Online
2 <sup>1/2</sup> 8 10	TPRW-250 TPRW-800 TPRW-1000	13 6 4	28 6 5	0.35 1.60 1.71	25 25 25	



#### WEAR STRIP DUCTING...

When ducting is dragged over the ground, the fabric can wear at the wire helix, allowing the wire to protrude and the duct to fail prematurely. For commercial duct cleaning and similar applications we recommend an external wear strip over the helix. Some styles of ducting are available with this feature for a small premium. Specify a wear strip by adding a "W" to the part number (for example, DCW or TPRW).

Most popular is our 10" TPRW for duct cleaning.



Where standard ducting does not give satisfactory life due to the abrasive product being conveyed, polyurethane ducting takes over. Urethane not only provides many times the wear resistance of regular fabric, thermoplastic, and rubber ducting, it also remains flexible at very low temperatures. The translucent construction allows users to see material build-up in the hose. Our standard TPU product features a 45 mil wall thickness but is also available on special order in heavier 60 mil wall thickness. A food grade formulation is available on special request.

Typical applications are leaf collection, street cleaning, rock drilling, sawdust and wood chip recovery.

#### TPU... THERMOPLASTIC URETHANE DUCTING (45 MIL)

**Construction:** Translucent blue thermoplastic polyether polyurethane reinforced with a steel wire helix. Ducting wall thickness is .045".

**Temperature Range:** -53°C (-65°F) to 93°C (200°F).

I.D.	Part Number	Working Pressure (psi)	Vacuum Rating ("Hg)	Weight per ft (lb)	Standard Length	
3"	TPU-300	30	28	0.63	25 ft	
4	TPU-400	21	28	0.82	25	
5	TPU-500	18	25	0.91	25	
6	TPU-600	16	23	1.47	25	6
7	TPU-700	14	18	1.60	25	See Prices
8	TPU-800	12	13	2.06	25	Online
10	TPU-1000	10	6	2.23	25	
12	TPU-1200	8	5	2.97	25	
14	TPU-1400	7	4	3.23		
16	TPU-1600	4	3	3.83	25	
18	TPU-1800	3	2	4.80	25	



In our most popular sizes, we offer our Thermoplastic Urethane Ducting with a lighter 35 mil wall thickness. While maintaining the excellent wear resistance properties of urethane, TPU35 offers a more competitively priced alternative for customers with less demanding applications such as chemical fume removal, powder transfer, and seeding.

#### TPU35... THERMOPLASTIC URETHANE DUCTING (35 MIL)

**Construction:** Black thermoplastic polyether polyurethane reinforced with a steel wire helix. Ducting wall thickness is .035" **Temperature Range:** -53°C (-65°F) to 93°C (200°F).

I.D.	Part Number	Working Pressure (psi)	Vacuum Rating ("Hg)	Weight per ft (lb)	Standard Length	
3"	TPU35-300	27	28	0.53	25 ft	
4	TPU35-400	18	28	0.69	25	See
6	TPU35-600	14	23	1.23	25	Prices Online
8	TPU35-800	11	13	1.60	25	

Utility blower hose is typically used for venting manholes and supply heated air. It is also found in flood and water damage restoration where dried air is blown into buildings and damp air is removed. Utility Blower has a much wider pitch wire than conventional ducting for maximum compressibility allowing compact storage.

#### **PVW... UTILITY BLOWER**

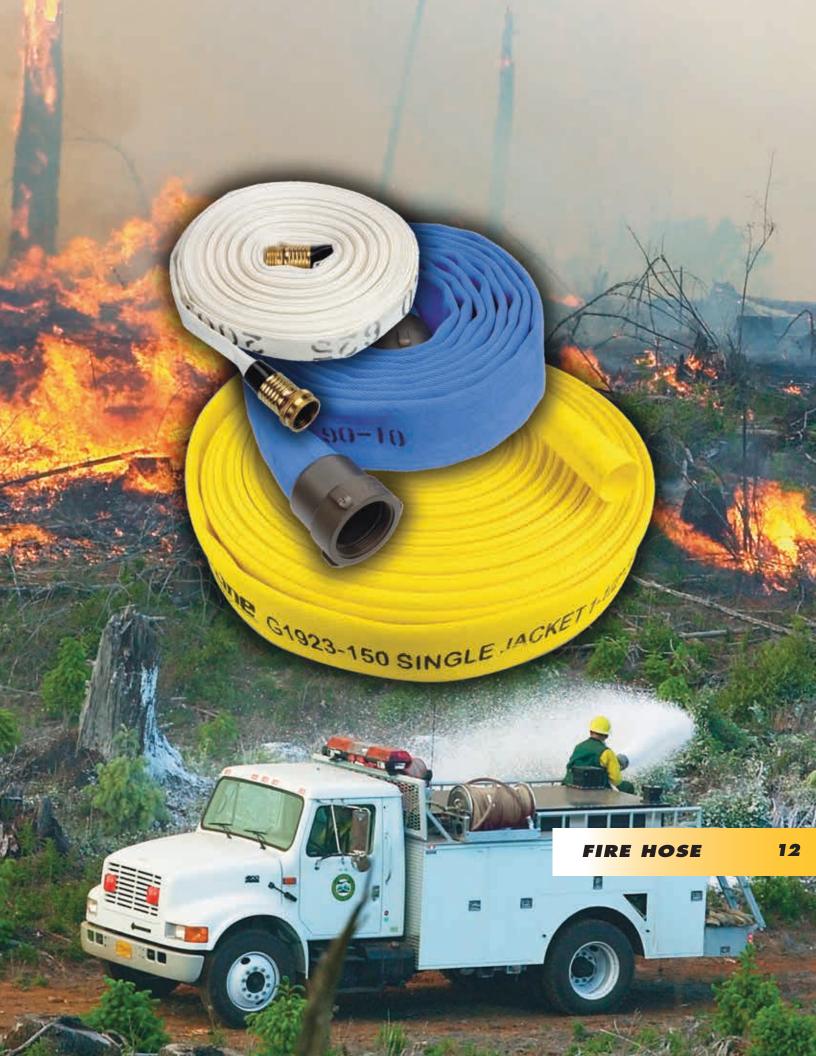
**Construction**: Single ply of polyester-vinyl laminate with vinyl wear strip bonded to an expanded pitch steel helix wire. **Temperature Range**: -30°C (-22°F) to 80°C (176°F), Intermittent use to 105°C (221°F).

**Note:** Hoses come in 25 foot lengths with plain ends but may be custom ordered with rings or belted cuffs attached. Where multiple lengths must be coupled and uncoupled often, we recommend slip-lock couplers for quick connections.

I.D.	Length	Part Number	Weight Each	
6"	25 ft	PVW-600X25	12.0 lb	
8	25	PVW-800X25	16.3	See
10	25	PVW-1000X25	22.5	Prices Online
12	25	PVW-1200X25	25.0	Untine



PVW



# **FIRE HOSE**



The following hoses are conventional woven jacket fire hoses with synthetic liners. Prices shown are for bulk hose without fittings. For couplings and accessories, see Green Line Fitting Catalog.

**Note:** Other Green Line discharge hoses are often used in the place of jacketed fire hoses for such applications as washdown and stand-by forest fire protection. Please see G1372 and G1373 in the Water Hose section.

#### G1921... SINGLE-JACKET INDUSTRIAL & FORESTRY

A top quality, all synthetic, rubber lined hose for indoor and outdoor use. **Tube**: Black rubber. **Cover:** White 100% synthetic fabric.

#### G1942... DOUBLE-JACKET INDUSTRIAL

Double-Jacket Industrial is a heavy-duty, all-synthetic hose with a rubber lining for higher pressures and severe applications. **Tube:** Black rubber.

**Cover**: White 100% synthetic fabric.

						,	
<u>I.D.</u>	Part Number	Bowl Size	Working Pressure	Test Pressure	Weight per ft	Standard Lengths	
G1921	Single-Jacket In	ndustrial & F	orestry:				
1"	G1921-100	1 <sup>3</sup> /16"	150 psi	300 psi	0.10 lb	50 or 100 ft	
1 <sup>1</sup> /2	G1921-150	1 <sup>11</sup> /16	150	300	0.16	50,66,75,82 or 100	
2	G1921-200	2 <sup>1</sup> /4	150	300	0.20	50,66,75,82 or 100	See
<b>2</b> <sup>1</sup> /2	G1921-250	2 <sup>3</sup> /4	150	300	0.27	50,66,75 or 100	Prices Online
G1942	Double-Jacket I	ndustrial:					
1 <sup>1</sup> /2	G1942-150	1 <sup>13</sup> /16	300	600	0.35	50 or 100	
2 <sup>1</sup> /2	G1942-250	2 <sup>13</sup> /16	300	600	0.58	50 or 100	

#### G1921GHT... GARDEN HOSE THREADED ASEMBLIES

G1921

Small hoses are typically used with backpack and small portable pumps to clean up spot fires. These  $\frac{5}{8}$  and  $\frac{3}{4}$  hoses are rated to 200 psi working pressure with a 600 psi burst.

Hose	Thread	Length	Part	Weight
size	type		Number	Each
Garden	Hose Thread			
5/8"	Garden Hose Thread	15 ft	G1921-063GHT15	0.3 lb
5/8	Garden Hose Thread	25	G1921-063GHT25	0.5
5/8	Garden Hose Thread	30	G1921-063GHT30	0.6
5/8	Garden Hose Thread	50	G1921-063GHT50	1.0
<sup>3</sup> /4	Garden Hose Thread	15	G1921-075GHT15	0.6
<sup>3</sup> /4	Garden Hose Thread	30	G1921-075GHT30	1.2
<sup>3</sup> /4	Garden Hose Thread	50	G1921-075GHT50	2.0

#### HOW TO MEASURE A MALE FIRE HOSE THREAD

Take a strip of paper about 1" wide and wrap it around the male thread snugly so that it overlaps. Where the two ends overlap, use a pin to pierce the paper so that there is a hole in both ends. Press your thumb against the paper so that the threads leave an impression. Remove the paper and measure the distance between the pinholes. This distance, divided by 3.1416, equals the thread o.d. Count the number of thread impressions showing on the paper and divide by the total width of the impressions (in inches). This figure is the pitch in threads per inch.



# **FIRE HOSE**

In  $1^{1/2}$ " most hoses are supplied in Canada with forestry instantaneous or NPSH parallel pipe threads. (in the USA and on international ships, the  $1^{1/2}$ " thread will be NST – also known as NH or ANSI).

Hose size	Thread type	Length	Part Number	Weight Each	
1 <sup>1</sup> /2" (	OUPLED FIRE HOSE ASS	EMBLIES			
<b>G1921</b> 1 <sup>1</sup> /2" 1 <sup>1</sup> /2	Single Jacket G85 Forestry G85 Forestry	50 ft 100	G1921-150F50 G1921-150F100	9 lb 17	See Prices
1 <sup>1</sup> /2 1 <sup>1</sup> /2 1 <sup>1</sup> /2	G80B Brass NPSH G80B Brass NPSH G80B Brass NPSH	50 75 100	G1921-150B50 G1921-150B75 G1921-150B100	9 13 17	Online
1 <sup>1</sup> /2 1 <sup>1</sup> /2	G80 Hardcoat NPSH G80 Hardcoat NPSH	50 100	G1921-150NP50 G1921-150NP100	9 17	
	Rubber Cover				
1 <sup>1</sup> /2 1 <sup>1</sup> /2 1 <sup>1</sup> /2 1 <sup>1</sup> /2	G85 Forestry G85 Forestry G80B Brass NPSH G80B Brass NPSH	50 100 50 100	G1372-150F50 G1372-150F100 G1372-150B50 G1372-150B100	12 22 12 22	See Prices Online
1 <sup>1</sup> /2 1 <sup>1</sup> /2	G80 Hardcoat NPSH G80 Hardcoat NPSH	50 100	G1372-150NP50 G1372-150NP100	12 22	
G1942	Double Jacket				
1 <sup>1</sup> /2 1 <sup>1</sup> /2 1 <sup>1</sup> /2 1 <sup>1</sup> /2	G85 Forestry G85 Forestry G80B Brass NPSH G80B Brass NPSH	50 100 50 100	G1942-150F50 G1942-150F100 G1942-150B50 G1942-150B100	17 33 19 37	See Prices Online
1 <sup>1</sup> /2	G80 Hardcoat NPSH	50	G1942-150NP50	18	

**CAUTION**: Single jacket fire hoses have no external cover to protect the reinforcement, and so will fail prematurely when dragged repeatedly. For washdown service, a better choice is double jacket hose, so the second jacket serves as a guard to protect the inner layer. Where hose is used regularly, G1372 Black Water Discharge hose provides the best overall value.

Hose size

Please be sure to check that threaded fittings are compatible with the hydrant or standpipe to which the hose will be coupled. Municipalities and fire departments in different regions choose from a variety of available threads. For 2½", threads can vary by region. When you order 2½" assemblies, specify the thread required from the list shown.

#### 2<sup>1</sup>/2" COUPLED FIRE HOSE ASSEMBLIES...

G1921 Single Jacket				
2 <sup>1</sup> /2"	50	G1921-250***50	16 lb	
<b>2</b> <sup>1</sup> /2	100	G1921-250***100	29	See Prices
G1942 Double Jacket				Online
2 <sup>1</sup> /2	50	G1942-250***50	31	
2 <sup>1</sup> /2	100	G1942-250***100	60	

Part

Number

\*\*\* choose your couplings from the list below, and insert the appropriate code.

Length

Code	Region	Description	0.D.	Pitch
BAT	BC & Alberta	BCST British Columbia Standard Thread & AMA Alberta Mutual Aid combined*	2.990″	8
CSA	Ontario	Canadian Standards Association	3.125″	5
NS1	Nova Scotia	Nova Scotia Zone 1	3.234″	5
QST	Quebec	QST and QMT Quebec/Montreal Combination Thread	3.031"	7
WCT	Saskatchewan & Manitoba	Western Canadian Fire Underwriters Association	3.250″	6

G1921NP

G1921F

G1921B



Weight



#### G1923... SINGLE-JACKET 300 PSI FORESTRY

With a working pressure of 300 psi, G1923 has the same application as a double-jacket style hose while weighing only half as much. Featuring a yellow, high-visibility cover and a polyurethane liner, this single-jacket style hose can also handle some chemicals and petroleum-based products.

**Tube:** Clear polyurethane

**Cover:** Yellow, single jacket, circular woven polyester.

I.D.	Part Number	Bowl Size		Test Pressure	Weight per ft	Standard Lengths	
1" 1 <b>1/2</b> "	G1923-100 G1923-150	1 <b>3/16</b> " 1 <b>11/16</b>	300 psi 300	600 psi 600	0.07 lb 0.14	50 or 100 ft 50 or 100	See Prices Online

Our G1923 assemblies come complete with NPSH parallel pipe thread fittings in 1" sizes and forestry instantaneous fittings in 11/2" sizes.

Hose size	Length	Part Number	Weight	
1" CO	UPLED FI	RE HOSE ASSEMBL	IES	See
1"	50 ft	G1923-100NP50	5 lb	Prices Online
1 <b>1/2</b> "	COUPLED	FIRE HOSE ASSEM	BLIES	
1 <b>1/2</b> 1 <b>1/2</b>	50 100	G1923-150F50 G1923-150F100	9 17	See Prices Online

Wherever fire hose is used as a municipal water main bypass during water main repairs, a potable water quality hose should be used. G1942BP is often used in conjunction with our G1031-075 by-pass hose to connect municipal water customers during water main replacement. Potable water hoses should also be specified for water tanker fill and delivery lines.

#### G1942BP... DOUBLE-JACKET POTABLE WATER HOSE

**Tube:** Food grade polyurethane. Finished product meets MIL-H-24606B standards for potable water use.

**Cover:** Two layers of polyester yarn with blue polymer impregnation for increased abrasion resistance.

I.D.	Part Number	Bowl Size	Working Pressure	Test Pressure	Weight per ft	Standard Lengths	
1 <sup>1</sup> /2"	G1942BP-150	1 <sup>15</sup> /16"	300 psi	600 psi	0.35 lb	100 ft	See
<b>2</b> <sup>1</sup> /2	G1942BP-250	3	300	600	0.44	25 or 50	Prices Online



G1942BP Assembly

G1923NP



size	Length	Part Number	Weight	
2 <b>1/2</b> "	50 ft	G1942BP-250BAT50	25 lb	See Prices Online

21/2" COUPLED POTABLE WATER ASSEMBLIES

Note: Other thread styles are available depending on region.





# FLEXIBLE METAL HOSE

#### All flexible metal hose assemblies are custom made to order. Please allow 7-10 days delivery.

Flexible metal hoses are generally selected where rubber or plastic hoses are not suitable. For example, in:

• permanent piping installations where flexibility is required

- extreme high or low temperature applications
- corrosive, combustible or toxic environments.

All hoses are built to order with welded end fittings. Assemblies are 100% tested. We can provide a limitless variety of fabricated metal hose assemblies; only a few of the most common sizes and configurations are shown here.

**Tube:** Standard tube material is corrugated Type 321 stainless steel. Sizes up to 1" have helical corrugations and larger sizes have annular corrugations.

**Reinforcement:** One or two (G521 or G522) braids of Type 304 stainless steel.

**Fittings:** All fittings are welded on at the factory and assemblies are 100% tested.

**Temperature Range:** Hoses can work at up to 800°C (1500°F) but working pressures decrease as temperature increases.



# Single Braid Stainless Hose Specifications

	Part		rt Tube Wall		essure	Vacuum	Vacuum Bend Radius	
I.D.	Number	0.D.	Thickness	20°C	450°C	Rating	Static	Dynamic
1/4"	G521-025	0.48"	0.010"	2000 psi	1200 psi	29" Hg	1.7"	3.5"
3/8	G521-038	0.64	0.010	1675	1000	29	2.5	5
1/2	G521-050	0.78	0.010	1075	650	29	3.4	6
3/4	G521-075	1.05	0.010	1050	630	29	4.3	8
1	G521-100	1.35	0.010	800	480	29	5.5	9
1 <b>1/4</b>	G521-125	1.82	0.015	585	350	29	3.1	10
1 <b>1/2</b>	G521-150	2.25	0.016	650	390	29	3.5	11
2	G521-200	2.71	0.016	550	330	29	4.5	12
2 <b>1/2</b>	G521-250	3.47	0.016	275	165	29	5.0	13
3	G521-300	4.05	0.016	250	150	29	7.5	16
4	G521-400	4.91	0.016	280	165	29	10.0	20
6	G521-600	7.05	0.018	200	120	29	15.0	30

To calculate the price for a standard assembly, use the 12" Assembly price and add as many extra feet of hose that you need at the "per foot" price. Extra charges will apply for specialty service such as:

**Degreasing & Cleaning:** Some applications such as oxygen service require degreased, cleaned and capped assemblies. Please contact us for pricing.

**CRN Number:** If the application falls under Provincial Boilers Branch legislation, a CRN (Canadian Registration Number) may be required. Most high-heat water and steam applications will require a CRN. An additional charge of \$5.00 net will be applied to assemblies requiring a CRN. **CSA Certification & Testing:** CSA approved assemblies are required for hoses conveying natural gas or propane. Please refer to pricing under the CSA section if approval is required.

**Specialty Applications:** Please inquire for other materials and configurations, including double braiding, flexible armor casing, jacketed hoses. We also supply other materials such as Type 316 stainless, and Monel. Specialty service products are available including cryogenic, anhydrous ammonia, natural gas, oxygen transfer, and chlorine transfer.

# FLEXIBLE METAL HOSE

#### All flexible metal hose assemblies are custom made to order. Please allow 7-10 days delivery.

<u>I.D.</u>	Part Number		<u>I.D.</u>	Part Number	
Assemblies	with Male NPT Hex each end	1	Assemblie	s with T304 Male NPT Hex ead	ch end
1/4"	G521-025HH-12		1/4"	G521-025HHSS-12	
-/4 3/8	G521-025HH-12	See	3/8	G521-038HHSS-12	See
1/2	G521-050HH-12	Prices	1/2	G521-050HHSS-12	Prices
-/2 3/4	G521-075HH-12	Online	3/4	G521-075HHSS-12	Online
<b>5/4</b> 1	G521-100HH-12		1	G521-100HHSS-12	
Assemblies	with Male NPT Plain each en	nd		s with T304 Male NPT Plain e	ach end
1/4	G521-125MM-12		1/4"	G521-025MMSS-12	
1/2	G521-150MM-12		3/8	G521-038MMSS-12	See
2	G521-200MM-12	See	1/2	G521-050MMSS-12	Prices Online
21/2	G521-250MM-12	Prices Online	3/4	G521-075MMSS-12	
3	G521-300MM-12	ontine	1	G521-100MMSS-12	
	G521-400MM-12		1 <b>1/4</b>	G521-125MMSS-12	
•			1 <b>1/2</b>	G521-150MMSS-12	See
Accomplia	with Female JIC by Male NP	Tanda	2	G521-200MMSS-12	Prices
	÷	i enus	2 <b>1/2</b>	G521-250MMSS-12	Online
/4	G521-025JM-12		3	G521-300MMSS-12	
3/8	G521-038JM-12		4	G521-400MMSS-12	
/2	G521-050JM-12				
/4	G521-075JM-12	See	To calcul	ate the price for a standard assem	ubly, use the 12" As-
	G521-100JM-12	Prices Online	sembly p	rice and add as many extra feet of er foot" price	
1/4	G521-125JM-12				
1/2	G521-150JM-12		Extra Hos	e Price Per Foot	
	G521-200JM-12		1/4"	G521-025	
-			-/4 3/8	G521-025	<u> </u>
Accomplias	with Female JIC each end		-		See Prices
			1/2	G521-050	Online
/4	G521-025JJ-12		3/4	G521-075	
8/8	G521-038JJ-12		1	G521-100	
/2	G521-050JJ-12	See		• • • • • • •	
/4	G521-075JJ-12	Prices	1 <b>1/4</b>	G521-125	
L	G521-100JJ-12	Online	1 <b>1/2</b>	G521-150	
			2	G521-200	c
1/4	G521-125JJ-12		2 <b>1/2</b>	G521-250	See Prices
1/2	G521-150JJ-12		3	G521-300	Online
2	G521-200JJ-12				
			4	G521-400	
Assemblies	with A105 150# Fixed Flang	ge each end	6	G521-600	
1/2	G521-150FF-12				
	G521-200FF-12				
21/2	G521-250FF-12	See			
3	G521-300FF-12	Prices			
5 , +		Online			
	G521-400FF-12				
ò	G521-600FF-12			and the second second	
	with A105 150# Floating by				
(Floating H	Flange has T304 stainless stu	b)		all the second second	0
1/2	G521-150FX-12	•			11 11.63
2	G521-200FX-12			CONTRACTOR OF	PART -
2 <b>1</b> /2	G521-250FX-12	See		A COMPANY OF THE OWNER OF	
	G521-300FX-12	Prices Online			Carl Hart
3	G521-300FX-12 G521-400FX-12	Untine		and the second s	and the state
4	0321-400FA-12				

Metal Hose

6

G521-600FX-12

# FLEXIBLE METAL HOSE

#### All flexible metal hose assemblies are custom made to order. Please allow 7-10 days delivery.



To meet CSA standards, these hoses have schedule 80 male NPT fittings, permanently attached CSA labels, and are tested according to the standard. Sizes 3" and up are double braided



I.D.	Part Number	Working Pressure	
Assen	nblies with Male NPT	Plain each end	
1/4" 3/8 1/2 3/4 1 1 <sup>1</sup> /4	G521CSA-025MM-12 G521CSA-038MM-12 G521CSA-050MM-12 G521CSA-075MM-12 G521CSA-100MM-12 G521CSA-125MM-12	350 psi 350 350 350 350 350	See Prices Online
1 <b>1/2</b> 2 2 <b>1/2</b> 3	G521CSA-125MM-12 G521CSA-150MM-12 G521CSA-200MM-12 G521CSA-250MM-12 G522CSA-300MM-12 mblies with Female J1	350 350 250 250	
1/4 3/8 1/2 3/4 1 1 <sup>1</sup> /4 1 <sup>1</sup> /2 2	G521CSA-025JM-12 G521CSA-038JM-12 G521CSA-050JM-12 G521CSA-075JM-12 G521CSA-100JM-12 G521CSA-125JM-12 G521CSA-150JM-12 G521CSA-200JM-12	350 350 350 350 350 350 350 350 350 350	See Prices Online
Assen 1/4 3/8 1/2 3/4 1 11/4 11/2 2	mblies with Female JI G521CSA-025JJ-12 G521CSA-038JJ-12 G521CSA-050JJ-12 G521CSA-075JJ-12 G521CSA-100JJ-12 G521CSA-125JJ-12 G521CSA-150JJ-12 G521CSA-200JJ-12	<b>C each end</b> 350 350 350 350 350 350 350 350 350 350	See Prices Online
Assen 11/2 2 21/2 3 4 6	mblies with 300 # Fla G521CSA-150GG-12 G521CSA-200GG-12 G521CSA-250GG-12 G522CSA-300GG-12 G522CSA-400GG-12 G522CSA-600GG-12	anged Ends 350 350 250 250 200 200	See Prices Online

Assemblies with 150 # Flanged Ends

2 <b>1/2</b>	G521CSA-250FF-12	250	
3	G522CSA-300FF-12	250	See
4	G522CSA-400FF-12	200	Prices
6	G522CSA-600FF-12	200	Online



# **TECHNICAL SPECIFICATIONS**

#### Basic Compounds Used in Green Line Hoses...

The following table gives general properties for most common elastomers used in hose today. It is provided as a guide only, and qualities may vary since adjustments and additions to rubber or plastic compounds are often made to suit various applications. For example, an EPDM acid delivery hose may have a different blend of tube compound than an EPDM heater hose.

Common Name	Composition	General Characteristics
EPDM rubber	ethylene propylenediene- terpolymer	excellent ozone, chemical and aging characteristics, poor resistance to petroleum based fluids, very good heat and steam resistance
Hypalon	chloro- sulphonated- polyethylene	good heat and abrasion resistance fair resistance to petroleum based fluids excellent weathering, ozone, and acid resistance
Natural rubber	isoprene natural	excellent physical properties and abrasion resistance, acid-resistant but not oil-resistant
Neoprene rubber	chloroprene	flame retarding, excellent weathering resistance, good oil resistance, good physical properties
Nitrile rubber (Buna-n)	nitrile- butadiene	excellent oil resistance and good physical properties, moderate resistance to aromatics
Nitrile/pvc	nitrile-polyvinyl chloride	excellent oil and weather resistance good abrasion resistance
SBR rubber	styrene- butadiene	good physical properties, good abrasion resistance, poor resistance to petroleum based fluids
Viton rubber	hexafluoro- propylene vinilydene fluoride	excellent high temperature resistance very good chemical resistance very expensive
Cross-linked polyethylene (XLPE)	cross-linked polyethylene	excellent resistance to a very wide range of solvents, chemicals, acids and oils(including aromatics)
PVC	plasticized poly-vinyl chloride	excellent weathering and ozone resistance good chemical and abrasion resistance affected by temperature extremes
Urethane	polyurethane	extremely abrasion resistant, excellent chemical, weathering, petroleum and temperature resistance

#### Rubber versus Plastic...

With modern compounding technology the line between rubbers and plastics is becoming indistinct. In general, raw rubbers are transformed into finished goods by an irreversible chemical reaction during a heating process called vulcanization. For this reason they are referred to as thermoset elastomers. Plastics must be heated to a soft or liquid state to be formed into tubing or hose, but generally no chemical reaction takes place. If reheated, they will become soft and can be reformed. They are referred to as thermoplastic elastomers. Today many new plastics exhibit rubber-like features, and vice-versa.

Hose selection will depend on the characteristics of the particular elastomer formula that best fit the application.

#### **Temperature Conversion**

- Fahrenheit to Celsius: subtract 32 and multiply by 0.556.
- Celsius to Fahrenheit: multiply by 1.8 and add 32.

#### Useful information and rules of thumb...

- Each 10 ft of vertical height of water column produces 4.33 psi of pressure.
- 1 Cubic foot of water weighs 62.4 lb.
- 1 Imp Gallon of water weighs 10 lb.
- Each 1 HP on an electric air compressor produces 3.5 to 4 SCFM (standard cubic feet per minute) of air at 100 psi.
- Each 1 HP of drive in a hydraulic system will produce the equivalent of 1 GPM(gallon per minute) at 1500 psi.

# **TECHNICAL SPECIFICATIONS**

Pressure:		Volume:		Temperatur	e of Satura	ated
1 psi	= 2.307 ft of head (ft of water column)	1 Cubic foot	= 7.48 US Gallons = 28.317 liters	Steam: Gauge		
	= 2.036Hg = 0.06895 Bar = 0.006895 MPa (MegaPascals) = 0.07031 Kg/sq cm = 0.06805 Atmospheres	1 Imp Gallon 1 US Gallon	= 1.201 US Gallons = 160 Imperial ounces = 4.546 liters = 4546 milliliters (c.c.'s) = 128 US oz	Pressure (psi) 25 30	Tempe °C 130 134	rature °F 267 274
1 Bar 1 Atmosphere 1MegaPascal (Mpa) 1 Kg/sq cm <b>Weight :</b> 1 lb	<ul> <li>= 14.5 psi</li> <li>= 14.7 psi</li> <li>= 29.92 Hg (inches of Mercury)</li> <li>= 33.9 feet of water</li> <li>= 145 psi</li> <li>= 14.2 psi</li> <li>= 453.59 grams</li> <li>= 0.45359 Kg</li> </ul>	1 Barrel oil Length: 1 inch 1 meter 1 Kilometer 1 Mile Power: 1 HP	= 3.785 liters = 42 US Gallons = 2.54cm = 3.28084 feet = 0.62137 Miles = 5280 feet = 745.7 Watts	40 50 60 80 100 120 140 160 180 200	141 148 153 162 170 177 182 188 193 198	287 298 307 324 338 350 361 371 379 388
1 Kg	= 2.2046 lb			225 250 275 300 325 350	203 208 212 216 221 225	397 406 414 422 429 437

#### What size hose should I use?

viously, for a given flow rate, the smaller the hose, the higher the fluid velocity. As velocity increases, friction increases dramatically and much of the energy of the fluid is converted into heat, causing a pressure loss. For example, changing from a 5/8 hose to a 1/2 hose will more than double the pressure drop. For hydraulic systems, rules of thumb for fluid velocity have been developed that provide upper limits of acceptable friction and heat build-up. For industrial hoses, particularly pressure wash hoses, heat build-up is not a concern, rather excessive pressure drop over the length of the hose will make the pressure washer ineffective.

There are several considerations for determining hose size. Ob-

The calculation of actual pressure drop is quite complicated and dependent on many factors including fluid velocity, temperature, and viscosity, as well as tube smoothness. We can only calculate the fluid velocity and use the following guidelines to estimate an acceptable hose size.

#### Recommended flow velocity:

Hydraulic suction lines2 - 4 ft/sec.
Hydraulic pressure lines to 500 psi10 - 15 ft/sec.
Hydraulic pressure lines (500-3000 psi)15 - 20 ft/sec.
Hydraulic pressure lines over 3000 psi20 - 25 ft/sec.
Water suction lines & discharge hoses4 - 7 ft/sec.
General water service4 - 10 ft/sec.

Velocity of fluid flow in hose:  $V = 0.408 \times GPM / d^2$ V ... is fluid velocity in feet per second GPM ... is flow in U.S. gallons per minute d ... is the hose inside diameter in inches

# Technical 69

#### A few notes on making hose assemblies:

Permanent Installations: As much as we would like to see hose used everywhere, there are some installations where hose assemblies are not suitable. In general, these are permanent installations where visible inspection of the hose is impossible and where periodic testing is not conducted. The desirable feature of hose - its flexibility - is produced by specialized elastomers which will age and may be adversely affected by temperature, chemicals, ozone and extreme flexing. In general, hose assemblies should not be used as part of permanent piping systems, particularly where routine testing and inspection are not carried out, or where failure will result in property damage.

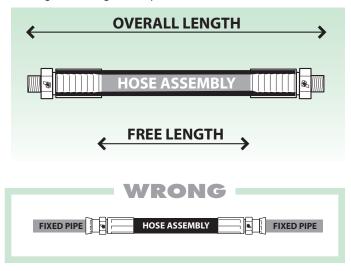
Electrical Grounding: Hoses being used to convey fuels or other flammable chemicals should have the hose electrically arounded to the couplings using the static or helix wire, to allow for dissipation of static electricity that may be built up by the fast flow of the product being carried.

Hydrostatic Testing: Where hose failure may result in environmental damage in the form of a chemical or fuel spill, new hose assemblies should be hydrostatically tested prior to use and periodically for the life of the hose. Typically hoses are tested to U.S. Coast Guard standards published by the Rubber Manufacturers Association. At our Delta location we offer hose testing services complete with test certificates and hose identification tags for your new or used assemblies.

Minimum Bend Radius: The bend radius of a hose is measured from the inside edge of the hose, not from the centerline. Minimum bend radii are typically given at room temperature. Higher temperatures may cause kinking, while low temperatures may make the hose difficult to bend tightly.

#### Very short rubber or plastic hose assemblies should not be used as flexible joints or expansion joints.

One of the most common hose failures we see is where a very short hose assembly is used between fixed pipes to allow for misalignment or vibration. Failures occur when the free length of the hose (the length of hose between the two fitting stems) is so short that it cannot absorb the flexing and vibration that occurs in the application. Also, when hoses are pressurized, they generally contract in length. If the assembly is in a straight line between two fixed points, something has to give to allow for the contraction. Generally it is the connection to the fittings, causing the fitting to weep.





# **TECHNICAL SPECIFICATIONS**

#### **Pin-pricked Hose Covers**

Air and other gases will slowly pass through most elastomers. This is easily shown by balloons and car tires gradually becoming flat even though they are sealed. Some gases (freon, for example) are much more aggressive at moving through certain hose materials and may even require specialized hose to contain them. Since cover compounds may allow gas leakage at different rates than the tube compound used on the same hose, most air, welding, steam and other hoses used for gaseous products have pin-pricked covers. The pin-pricks allow trapped gas to escape rather than having it build up until the pressure

separates the cover from the reinforcement, resulting in cover blisters. However when detectable amounts of gas are noticed leaking from cover pin-pricks, there is a tube failure somewhere in the hose. Often the failure will be at the junction of hose and fitting, where severe sideways pull has caused the tube to be cut by the fitting stem (such as can occur when a portable compressor is dragged along by the hose). Other times, for example in air nailing hose applications, a nail has punctured the hose, and the resulting hole has been repaired with tape rather than with a mender and clamps. This allows air to leak from the perforated tube into the reinforcement and to escape via the cover pinpricks.

#### Water Hose Flow Rates...

Flow of water through 100 foot lengths hose These are maximum recommended flow rates, and this chart is based on a maximum acceptable pressure drop of 15% per (straight with smooth bore) 100 feet of hose. Where pressure drop must be reduced, hose U.S. Gallons per minute size must be increased. PSI at Hose Nominal Hose Diameters  $1^{1}/4$  $1^{1/2}$ **2**<sup>1</sup>/<sub>2</sub> Inlet 1/2 5/8 3/4 

Figures are to be used as a guide only, since the type of fittings used, variance of hose I.D., and orifice restriction all influence the actual discharge.

#### Air Line Sizing

Maximum recommended air flow in standard cubic feet per minute (scfm) as a quide in sizing hose and piping in compressed air systems.

#### MAXIMUM RECOMMENDED AIR FLOW (SCFM)

System Pressure	Nominal pipe size or hose i.d.										
(psi)	1/8	1/4	3/8	1/2	3/4	1	<b>1</b> <sup>1</sup> /4	1 <sup>1</sup> /2	2	2 <sup>1</sup> /2	3
5	0.5	1.2	2.7	4.9	6.6	13	27	40	80	135	240
10	0.8	1.7	3.9	7.7	11	21	44	64	125	200	370
20	1.3	3.0	6.6	13	18	35	75	110	215	350	600
40	2.5	5.5	12	23	34	62	135	200	385	640	1100
60	3.5	8.0	18	34	50	93	195	290	560	900	1600
80	4.7	10	23	44	65	120	255	380	720	1200	2100
100	5.8	13	29	54	80	150	315	470	900	1450	2600
150	8.6	20	41	80	115	220	460	680	1350	2200	3900
200	11	26	58	108	155	290	620	910	1750	2800	5000
250	14	33	73	135	200	370	770	1150	2200	3500	6100

#### Air Hose Friction Loss...

Approximate pressure loss in psi through 100 foot hose lengths complete with couplings.

#### Cubic feet of air per minute (SCFM)

Hose         Pressure (psi)         Pressure loss in psi           50         20.2         36.2           60         16.8         29.6         46.8	
50 20.2 36.2	
70 14.0 24.8 40.0 56.8	
1/2 80 12.0 21.6 34.8 50.4 69.2	
90 10.8 19.0 29.6 44.0 61.0 82.0	
100 9.6 16.8 26.6 38.6 54.4 73.3	
110       8.6       15.2       24.0       35.2       49.2       66.6       89.0	
50 3.0 4.8 7.0 8.8 13.0 17.0 22.8 28.4	
50         3.0         4.8         7.0         8.8         13.0         17.0         22.8         28.4           60         2.4         3.8         5.6         7.6         10.4         13.6         17.2         22.4         28.2	
70     1.8     3.0     4.6     6.4     8.4     11.0     14.0     17.6     22.0	
<b>3/4</b> 80 1.6 2.6 3.8 5.6 7.2 9.4 11.6 14.4 17.6 21.2	
90 1.4 2.2 3.2 4.6 6.2 8.0 10.0 12.4 15.0 18.0 21.6	
100 1.2 2.0 2.8 4.0 5.4 7.0 8.8 10.8 13.2 15.8 18.8 22.	2
110         1.8         2.6         3.6         4.8         6.2         7.8         9.8         11.8         14.2         16.8         19.	8
50         0.6         1.0         1.6         2.2         3.0         4.0         5.2         7.0         9.6         14.0           60         0.6         0.8         1.2         1.6         2.4         3.0         4.0         5.2         6.6         8.2         11.0         14.	,
60         0.6         0.8         1.2         1.6         2.4         3.0         4.0         5.2         6.6         8.2         11.0         14.           70         0.4         0.8         1.0         1.4         2.0         2.6         3.2         4.0         5.0         6.2         7.6         9.4	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
90 0.4 0.6 0.8 1.2 1.4 1.8 2.4 2.8 3.4 4.0 4.8 5.6	
100 0.4 0.4 0.8 1.0 1.2 1.6 2.0 2.4 3.0 3.6 4.2 4.8	
110 0.4 0.4 0.6 0.8 1.2 1.4 1.8 2.2 2.6 3.0 3.6 4.2	
50         0.4         0.4         0.6         0.8         1.0         1.4         2.0           60         0.2         0.4         0.6         0.6         1.0         1.2         1.6         2.0         2.4         3.0	
70     0.4     0.6     0.6     0.8     0.8     1.2     1.4     1.6     2.0     2.4	
<b>11/4</b> 80 0.2 0.4 0.4 0.6 0.8 1.0 1.2 1.4 1.6 2.0	
90 0.4 0.4 0.6 0.6 0.8 1.0 1.2 1.4 1.6	
100 0.2 0.4 0.4 0.6 0.8 0.8 1.0 1.2 1.4	
110 0.2 0.4 0.4 0.6 0.6 0.8 1.0 1.0 1.2	
50 0.4 0.4 0.4 0.6 0.8 0.8 1.0 1.2	
50         0.4         0.4         0.4         0.6         0.8         0.8         1.0         1.2           60         0.2         0.4         0.4         0.4         0.6         0.6         0.8         1.0         1.2	
70     0.2     0.4     0.4     0.4     0.6     0.6     0.8     1.0	
<b>11/2</b> 80 0.2 0.4 0.4 0.4 0.6 0.8	
90 0.2 0.4 0.4 0.4 0.6	
100 0.4 0.4 0.4 0.4	
110 0.4 0.4 0.4 0.4	

#### Water Hose Friction Loss...

Approximate pressure loss expressed in pounds per square inch (psi) per 100 foot length of straight, smooth bore hose.

Flow of water in U.S. Gal.	Hose	Inside D	iameter	:											
per min.	1/2	5/8	3/4	1	11/4	11/2	2	<b>2</b> 1/2	3	4	5	6	8	10	12
1 2 5 10 15	1.41 5.09 27.7 100	1.72 9.36 33.7 71.4	0.71 3.85 13.9 29.4	0.95 3.42 7.24	0.32 1.15 2.44	0.13 0.47 1.00	0.12 0.25	0.08							
20 25 30 35 40		122	50.0 75.6 106 141	12.3 18.6 26.1 34.7 44.4	4.16 6.28 8.80 11.7 15.0	1.71 2.59 3.62 4.82 6.17	0.42 0.64 0.89 1.19 1.52	0.14 0.21 0.30 0.40 0.51	0.12 0.16 0.21						
45 50 60 70 80				55.3 67.1 94.1 125	18.6 22.7 31.7 42.2 54.0	7.67 9.32 13.1 17.4 22.2	1.89 2.30 3.22 4.28 5.48	0.64 0.77 1.09 1.44 1.85	0.26 0.32 0.45 0.59 0.76						
90 100 125 150 175					67.2 81.7 123	27.7 33.6 50.8 71.1 94.6	6.81 8.28 12.5 17.5 23.3	2.30 2.79 4.22 5.91 7.86	0.95 1.15 1.74 2.43 3.24	0.23 0.28 0.43 0.60 0.80	0.20 0.27				
200 225 250 275 300						121	29.8 37.1 45.1 53.8 63.2	10.1 12.5 15.2 18.1 21.3	4.14 5.15 6.26 7.47 8.77	1.02 1.27 1.54 1.84 2.16	0.34 0.43 0.52 0.62 0.73	0.30			
350 400 450 500 600							84.0 108	28.3 36.3 45.1 54.8 76.8	11.7 14.9 18.6 22.6 31.6	2.87 3.68 4.57 5.56 7.79	0.97 1.24 1.54 1.88 2.63	0.40 0.51 0.64 0.77 1.08	0.19 0.27		
700 800 1000 1200 1400								102 131	42.1 53.8 81.4 114 152	10.4 13.3 20.0 28.1 37.3	3.49 4.47 6.76 9.47 12.6	1.44 1.84 2.78 3.90 5.18	0.35 0.45 0.69 0.96 1.28	0.12 0.15 0.23 0.32 0.43	0.10 0.13 0.18
1600 1800 2000 2500 3000										47.8 59.5 72.2	16.1 20.0 24.4 36.8 51.6	6.64 8.25 10.0 15.2 21.2	1.64 2.03 2.47 3.73 5.23	0.55 0.69 0.83 1.26 1.76	0.23 0.28 0.34 0.52 0.73

Figures are to be used as a guide only, since factors such as temperature and hose bends can greatly affect friction loss.

# **TECHNICAL SPECIFICATIONS**



#### Force (in pounds) acting on end fittings...

The figures in this table demonstrate the importance of good fitting selection and installation. For example, a 4" dia. water discharge hose rated for 150 psi has 1885 lb of force acting on the end fitting when operating at full pressure.

Hose ID	50 psi	100 psi	150 psi	300 psi	500 psi	1000 psi
1/4	2	2	7	15	25	49
3/8	6	11	17	33	55	110
1/2	10	20	29	59	98	196
3/4	22	44	66	133	221	442
1	39	79	118	236	393	785
1 <sup>1</sup> /4	61	123	184	368	614	1227
11/2	88	177	265	530	884	1767
2	157	314	471	942	1571	3142
2 <sup>1</sup> /2	245	491	726	1473	2454	4909
3	353	707	1060	2121	3534	7070
4	628	1257	1885	3770	6283	12566
5	982	1964	2945	5891	9818	19635
6	1414	2827	4241	8482	14137	28274
8	2513	5027	7540	15080	25133	50274
10	3927	7854	11781	23562	39270	78540
12	5655	11310	16965	33929	56549	113100

# Weight of water in one foot of hose...

This table is useful when considering support requirements for hoses during operation. For example, a 10" dia. 30 ft length of G941W-1000 suction hose can contain 1021 lb (over half a ton) of water when filled

Hose I.D.	lb	kg
1/4	0.021	0.010
3/8	0.048	0.022
1/2	0.085	0.039
<sup>5</sup> /8	0.133	0.060
3/4	0.191	0.087
1	0.340	0.154
11/4	0.532	0.241
1 <sup>1</sup> /2	0.766	0.347
2	1.361	0.618
2 <sup>1</sup> /2	2.127	0.965
3	3.063	1.389
4	5.445	2.470
5	8.509	3.859
6	12.252	5.558
8	21.782	9.880
10	34.034	15.438
12	49.009	22.230

Due to space limitations, this chart lists more commonly encountered chemicals and hose compounds. For information on other hose or elastomers chemicals such as Hypalon, Viton, Butyl, CPE, Polyethylene and Teflon, please contact us. **Note:** This chemical resistance chart gives a general indication of suitability only and recommendations are based on use at room temperature.Conditions of use, such as temperature and pressure, may effect suitability. Other requirements, such as the need for a food grade compound or for agency approval (CGA, ULC, USFDA, etc) may affect hose selection.

#### Chart key:

- **E**... recommended; little or no effect on hose compound, suitable for continuous service.
- **G**... recommended; minor effect on hose compound, may be suitable for continuous service, suitable for intermittent service.
- **C**... conditional or questionable; moderate to severe effect on hose compound, may be suitable for limited applications.
- X... not recommended.
- I... no data available.

	EPDM	Natural	Nitrile	Neoprene	SBR	XLPE	PVC	Urethane	UHMWPE		EPDM	Natural	Nitrile	Neoprene	SBR	XLPE	PVC	Urethane	UHMWPE
acetaldehyde 50%	G	G	Х	С	С	E	Х	х	E	bromotoluene	х	Х	Х	Х	Х	С	I	I	Ι
acetic acid. glacial	G	G	С	Х	G	E	С	Х	E	bunker oil	Х	Х	Е	Х	Х	Е	Ι	G	Ε
acetic acid 30%	G	G	G	Ε	G	Е	Х	Х	Е	butadiene	Х	Х	Х	Х	Х	Е	С	Х	Ε
acetic anhydride	С	G	С	G	G	E	Х	Х	E	butane	Х	Х	Е	Е	Х	Е	С	Е	Ε
acetone	G	С	Х	С	С	Е	Х	Х	Ε	butter	G	Х	E	G	Х	E	С	E	E
acetyl chloride	Х	Х	Х	Х	Х	G	С	Х	С	butyl acetate	Х	Х	Х	Х	Х	Е	Х	Х	Ε
acetylene	G	G	E	G	G	E	G	Х	E	butyl alcohol	С	Е	Е	Е	Е	Е	G	Х	Ε
adipic acid	G	Е	Е	Ε	Е	Ι	Ι	Ι	Ε	butyl aldehyde	С	Х	Х	С	Х	E	I	I	Ι
aluminum acetate	G	Е	G	G	G	Е	Ι	Х	Ε	butyl amine	G	Х	С	Х	Х	Ι	Ι	Х	Е
aluminum chloride	G	Е	E	Ε	Е	Е	Е	С	Ε	butyl benzoate	С	С	Х	Х	G	Е	I	I	Ι
aluminum fluoride	G	G	E	E	Е	Е	E	С	Ε	butyl cellosolve	G	Х	С	С	Х	Е	Ι	Х	E
aluminum hydoxide	Ι	Е	Ι	Ε	С	Е	Ι	Ι	Ε	butyl stearate	Х	Х	G	Х	Х	Е	Ι	Ι	Е
aluminum nitrate	G	Е	E	E	Е	Е	Ι	С	Ε	calcium acetate	G	Е	G	G	Х	Е	Ι	Х	Е
aluminum sulfate	G	E	E	E	Е	Е	E	Х	Е	calcium bisulfite	Х	Х	Х	E	Х	E	E	E	E
ammonia anhydrous Use anhyd	rous ar	nmonia	hose o	only						calcium carbonate	Е	Е	Е	Е	Е	Е	Е	Ι	Е
ammonia gas (cold)	G	Е	E	E	Е	Е	Ι	С	Ι	calcium chloride	G	Е	Е	Е	Е	Е	Е	Е	Е
ammonia gas (hot)	С	Х	Х	G	Х	Е	Ι	Х	Ι	calcium hydroxide	G	E	Е	E	E	E	E	Е	E
ammonium carbonate	G	Е	Х	G	Х	Е	Е	Х	Ι	calcium hypochlorite	G	С	G	С	С	С	G	Х	Е
ammonium chloride	G	Е	Е	Е	Е	Е	Е	Е	Е	calcium nitrate	G	Е	Е	Е	Е	Е	Е	Е	E
ammonium hydroxide	G	Х	G	E	Х	Е	С	Х	Е	calcium sulfide	G	G	E	E	G	E	G	Е	E
ammonium nitrate	G	С	Е	Е	G	Е	Е	Х	Е	carbitol	С	G	G	G	G	Ε	Ι	Х	Е
ammonium nitrite	G	Е	Е	Е	Е	Е	I	Ι	Ι	carbolic acid (phenol)	С	Х	Х	С	Х	Е	С	С	E
ammonium phosphate	G	Е	Е	Е	Е	Е	Е	Ι	Е	carbon bisulfite	Х	Х	С	Х	Х	Ι	Ι	Ι	Ι
ammonium sulfate	G	Е	Е	Е	Е	Е	Е	Е	Е	carbon dioxide	С	G	Е	G	G	Е	Е	Е	Е
amly acetate	Х	Х	Х	Х	Х	Е	Х	Х	Ε	carbonic acid	G	Е	G	Е	G	Е	Е	Е	Е
amyl alcohol	G	G	G	G	G	Е	G	Х	Е	carbon monoxide	G	G	Е	G	G	Е	G	Е	Ι
aniline	G	Х	Х	Х	Х	Е	Х	Х	Ε	carbon tetrachloride	Х	Х	С	Х	Х	Е	Х	Х	С
aniline dyes	G	G	Х	G	G	Е	Ι	Х	Ι	carbon tetrafluoride	Ι	Ι	Ι	Ι	Ι	Ι	Ι	Е	Е
aniline hydrochloride	С	G	G	Х	Х	Е	Ι	Х	Ι	castor oil	С	Е	Ε	Е	Е	Е	G	Е	Е
animal fats	С	Х	Е	G	Х	Е	Е	Е	Ε	caustic soda (sodium hydroxide)	G	E	G	Ε	E	Ε	G	С	E
arsenic acid	G	G	Е	Е	Е	Е	G	С	Е	cellosolve	С	Х	Х	Х	Х	Ε	G	Ι	E
arsenic trichloride	Х	Х	Е	Е	Ι	Х	Ι	Ι	Ι	cellosolve acetate	С	Х	Х	Х	Х	E	Ι	Х	E
asphalt	Ι	Х	G	G	Х	Х	С	G	С	chlorine (dry)	Х	Х	Х	С	Х	С	Е	Х	С
barium chloride	G	Е	Е	Е	Е	Е	Е	Е	Е	chlorine (wet)	Х	Х	Х	С	Х	С	С	Х	G
barium sulfate	G	E	Е	Е	Е	Е	E	Е	Е	chlorine dioxide	Х	Х	Х	Х	Х	Ι	Ι	Х	Ι
barium sulfide	G	Е	Е	Е	G	Е	Е	Е	Ε	chloroacetone	G	Х	Х	С	Х	E	Ι	Х	E
beer	G	E	E	E	E	Ι	E	G	E	chloroacetic acid	G	Х	Х	Х	Х	E	Ι	Х	E
benzene	Х	Х	Х	Х	Х	Е	Х	С	С	chlorobenzene	Х	Х	Х	Х	Х	Е	Х	Х	Е
benzoic acid	Х	Х	С	Х	Х	Ε	Ι	Ι	Ε	chiorobutadiene	Х	Х	Х	Х	Х	E	Х	Х	Ι
benzyl alcohol	G	Х	Х	G	Х	Ε	Е	Х	Ε	chloroform	Х	Х	Х	Х	Х	G	Х	Х	С
benzyl benzoate	С	Х	Х	Х	Х	Е	Ι	Ι	Ι	chlorotoluene	Х	Х	Х	Х	Х	G	Х	Х	Х
benzyl chloride	Х	Х	Х	Х	Х	Ε	Ι	Х	С	chrome plating solutions	С	Х	Х	Х	Х	Ι	G	Ι	С
boric acid	G	Е	Е	Е	Е	Е	Е	Е	Е	chromic acid	G	Х	Х	С	Х	Е	E	Х	Е
brine	G	E	Е	Е	Ε	Ε	E	G	Е	citric acid	G	E	Ε	E	E	E	E	G	Е
bromine-anhydrous	Х	Х	Х	Х	Х	Х	Ι	Х	Х	cobalt	G	Е	Ε	Ε	Ε	Е	Ι	Ι	Ι
bromine trifluoride	Х	Х	Х	Х	Х	Х	Ι	Х	Ι	coconut oil	Х	Х	Е	G	Х	Е	G	G	Е
bromine water	G	Х	Х	Х	Х	Х	Ι	Х	I	cod liver oil	G	Х	E	G	Х	Е	E	E	E

# CHEMICAL RESISTANCE

	EPDM	Natural	Nitrile	Neoprene	SBR	XLPE	PVC	Urethane	UHMWPE
coke oven gas	Х	Х	х	х	Х	E	I	Х	E
copper acetate	G	Е	G	G	Х	Е	Ι	Х	Ι
copper chloride	G	Е	E	G	E	E	E	E	Е
copper cyanide	G	E	E	E	E	E	E	E	<u> </u>
copper sulfate	G	G	E	E C	G	E	E	E	E
corn oil cottonseed oil	X	X	E	G	X	E	E G	E	E
creosote (coal tar)	X	X	E	G	X	E	X	X	E
cresol	Х	Х	Х	С	Х	Е	G	Х	Е
cresylic acid	Х	Х	Х	С	Х	Ε	Х	Х	Е
cumene	X	X	X	X	X	E	I	I	I
cyclohexane cyclohexanol	X X	X	E C	C E	X	E	X	G	<u>Е</u> Е
cyclohexanore	G	x	X	X	X	E	X	X	E
p-cymene	X	X	X	X	X	E	X	I	I
decalin	Х	Х	Х	Х	Х	E	Ι	Ι	E
denatured alcohol	G	Ε	Е	Ε	Е	Е	Е	Х	E
detergent solution	G	G	E	G	G	E	E	<u>C</u>	
(non-hydrocarbon) diacetone	G	X	X	X G	X	E	I X	X	E
diacetone alcohol dibenzyl ether	C	X	X	C	X	E	I	G	
dibutyl amine	G	X	X	X	X	E	I	X	I
dibutyl ether	Х	Х	Х	С	Х	Е	Ι	G	E
dibutyl phthalate	С	Х	Х	Х	Х	Е	Х	С	E
dibutyl sebecate	С	Х	Х	Х	Х	E	Ι	Х	E
dichlorobenzene	X	X	X	X	X	E	X	X	<u> </u>
dichloroethylene dichloro-isopropyl ether	X X	X X	X	X	X	C E	X	X G	<u>C</u> I
diesel oil	X	X	E	c	X	E	C	C	E
diethylamine	G	G	G	G	G	E	E	C	E
diethylamine benzene	Х	Х	Х	Х	Х	E	Ι	Х	E
diethyl ether	Х	Х	Х	С	Х	Е	С	G	Е
diethylene glycol	G	E	E	E	E	E	E	Х	E
diethyl sebecate	C	X	G	X	X	E	I	I	E
diisobutylene diisopropyl benzene	G	X X	G	X X	X	E	I	I	I
diisopropyl ketone	G	X	X	X	X	E	I	X	
dimethyl formamide	G	Х	G	С	Х	E	Ι	Ι	E
dimethyl phthalate	G	Х	Х	Х	Х	Ε	Ι	Ι	Е
dinitrotoluene	Х	Х	Х	Х	Х	Ε	Ι	Ι	I
dioctyl phthalate	<u>C</u>	X	<u>C</u>	X	X	E	X	I	<u> </u>
dioctyl sebecate	C	X	X	X	X	E	I	I	I T
dipentene diphenyl - (phenylbenzene)	X	X	G X	X	X	E	I	I	 I
dowtherm oil	X	X	X	X	X	E	X	C	E
dry cleaning fluids	Х	Х	С	Х	Х	Ι	Ι	Х	I
ethane	Х	Х	Ε	G	Х	Ε	Х	С	Ι
ethanolamine	G	G	G	G	G	E	С	С	E
ethyl acetate	G	X	X	C	X	E	X	X	<u> </u>
ethyl acetoacetate ethyl alcohol (ethanol)	G	C E	X E	C E	C E	E	G	X	E E
ethyl benzene	X	X	X	X	X	E	I	X	E
ethyl benzoate	G	E	X	X	E	G	I	X	
ethyl cellulose	С	G	G	G	G	Е	Ι	G	Е
ethyl chloride	Х	Х	Е	Х	Х	Е	Х	С	Е
ethyl ether	Х	Х	С	С	Х	E	Х	С	E
ethyl formate	C	X	X	G	X	E	I	I	<u>E</u>
ethyl pentochloro-benzene ethyl silicate	X G	X G	X E	X	X G	X E	I	C	I
ethylene	C	C	E	C	C	I	I	I	I
ethylene chloride	X	X	X	X	X	E	X	X	I
ethylene chlorohydrin	С	G	Х	G	G	E	Х	Х	E
ethylene diamine	G	E	Ε	E	G	Ε	Ι	Х	Ε
ethylene dichloride	Х	X	X	X	X	E	X	Х	<u>C</u>
ethylene glycol	G	E	E	E	E	E	E	C	<u>E</u>
ethylene trichloride fatty acids	X X	X X	X G	X G	X	E	E I	X E	E I
ferric chloride	G	E	E	E	E	E	E	E	E
	<u> </u>	-	-	-	-	-	-	-	-

	EPDM	Natural	Nitrile	Neoprene	SBR	XLPE	PVC	Urethane	UHMWPE
ferric nitrate	G	Е	E	Е	E	Ε	G	Е	Е
ferric sulfate	G	E	E	E	E	E	E	E	Е
fish oil	Х	Х	E	Х	Х	E	I	I	E
fluoroboric acid	G	E	E	E	E	E	I	I	E
fluorobenzene fluorolube	X G	X G	X E	X G	X C	E	I	I	I
flurosilicic acid	C	G	E	G	C	G	I	I	E
formaldehyde	G	G	С	G	G	E	С	Х	E
formic acid	G	G	G	E	E	G	G	Х	Е
freon, all types Use freon hoses									
fuel oil	X	X	E	G	X	E	C	G	E
furfural gallic acid	G	X E	X G	C G	X G	E	X E	С Х	E
gasoline	X	X	E	C	X	E	X	G	E
gelatin	G	E	E	E	E	E	G	C	I
glucose	G	E	E	E	E	E	E	С	Е
glycerine	G	E	E	E	E	E	E	E	Е
glycols	G	Е	Е	Е	Ε	Е	Ι	С	Е
green sulfate liquor	G	G	G	G	G	E	I	E	E
hexane	X	X	E	G	X	G	C	G	E
hexyl alcohol hydraulic oil (petroleum)	X	G	E	G	G	E	I G	X E	E
hydrobromic acid	G	E	X	X	X	E	E	X	E
hydrochloric acid 37%	G	G	C	G	G	E	E	X	E
hydrocyanic acid	G	G	G	G	G	C	G	I	E
hydrofluoric acid-(conc.) cold	G	Х	Х	Х	Х	E	E	Х	Е
hydrofluoric acid-anhydrous	G	Х	Х	Х	Х	Е	С	Х	Ι
hydrofluosilic acid	C	G	E	G	С	I	E	I	E
hydrogen gas	G	G	E	E	E	E	E	E	E
hydrogen peroxide 10%	I I	X X	I	I	X X	E	I	I	E
hydrogen peroxide >10% iodine	X	X	X	X	X	E	X	 I	E
isobutyl alcohol	G	E	G	E	G	E	G	X	I
isooctane	Х	Х	E	G	Х	E	С	G	Е
isopropyl acetate	С	Х	Х	Х	Х	E	Х	Х	Е
isopropyl aicohol	G	E	G	G	G	E	G	С	E
isopropyl chloride	X	X	X	X	X	E	I	X	I
isopropyl ether	X	X	G	C	X	E	X G	G	E
kerosene lacquer solvents	X	X	X	X	X	G	X	G	E
lactic acid (cold)	G	E	E	E	E	E	C	I	G
lard	С	Х	E	G	Х	E	G	E	E
lavender oil	Х	Х	G	Х	Х	G	Ι	Х	Е
lead acetate	G	E	G	E	Х	E	Ε	Х	Е
lead nitrate	G	E	E	E	E	E	Ι	Ι	Ι
lead sulfamate	G	G	G	E	G	E	G	I	I
linseed oil liquefied petroleum gas	X	X	E	G	X	E	E	G	E
lubricating oils - (petroleum)	X	X	E	G	X	E	G	G	E
lye	G	G	G	G	G	I	I	X	I
lye solutions	Е	С	Ι	Ι	С	Е	Ι	Ι	Е
magnesium chloride	G	E	E	E	E	Е	E	E	Е
magnesium hydroxide	G	G	G	Е	G	Е	Е	Х	Е
magnesium sulfate	G	G	E	E	G	E	E	E	<u> </u>
maleic acid	G	С С	X	C	С С	G	G	I	E
maleic anhydride malic acid	G	с С	X E	C C	с С	I	I E	I	E
mercury	G	E	E	E	E	E	E	G	E
mesityl oxide	C	X	X	X	X	E	X	X	E
methane	Х	Х	E	G	Х	Е	Ι	С	Ι
methyl acetate	G	С	Х	G	С	E	Х	Х	Е
methyl alchohol (methanol)	G	E	E	E	E	E	G	Х	Ε
methyl bromide	Х	Х	Х	Х	Х	С	Х	Х	С
methyl butyl ketone (propyl acetone)	G	X	X	X	X	E	X	X	I
methyl cellosolve	C	X	G	G	X	E	C	X	E
methyl chloride methyl ethyl ketone - (mek)	X C	<u>х</u> Х	X	<u>Х</u> С	<u>х</u> Х	G	X	X	G E
methyl isobutyl ketone	C	X	X	X	X	E	X	X	E

	EPDM	Natural	Nitrile	Neoprene	SBR	XLPE	PVC	Urethane	инмире
methyl oleate	С	Х	Х	Х	Х	Е	Ι	Ι	Ι
methylene bromide	Х	Х	Х	Х	Х	С	Ι	i	С
methylene chloride milk	X G	X E	X E	X E	X E	C E	E I	i X	<u>С</u> Е
mineral oil	X	X	E	G	X	E	G	E	E
monochlorobenzene	Х	Х	Х	Х	Х	G	Х	Х	G
monoethanolamine	G	G	X	X	G	E	I	I	E
monomethylether monovinyl acetylene	X G	X G	E	C G	X G	I	I	I	 
naphtha	X	X	G	C	X	E	X	C	E
naphthalene	Х	Х	Х	Х	Х	E	С	G	Е
napthenic acid	X X	X G	G	X E	X G	E	I	I	<u>Е</u> Е
natural gas nickel acetate	G	E	G	G	X	E	I	G X	E
nickel chloride	G	E	E	E	E	E	E	C	E
nickel sulfate	G	G	E	E	G	E	E	С	E
nitric acid-conc.	G	X	X	X	X	<u>C</u>	X	X	<u>C</u>
nitric acid-dilute nitrobenzene	G G	X	X X	G	X	E	E X	С Х	E
nitroethane	C	G	X	C	G	E	I	X	I
nitromethane	С	G	Х	G	G	Е	Ι	Ι	E
nitrogen	G	E	E	E	E	E	E	E	E
nitrous oxide octachlorotoluene	I X	E X	E X	I X	E X	E	E X	I X	<u>Е</u> І
octyl alcohol	X	G	G	E	G	E	G	X	E
oleic acid	Х	Х	C	C	X	E	C	G	E
oleum	G	Х	G	С	Х	Ι	Х	С	Х
olive oil	C	X	E	G	X	E	G	E	E
o-dichlorobenzene oxalic acid	X G	X G	X G	X G	X G	E	E I	I	G E
oxygen	G	G	G	E	G	E	E	E	E
ozone	G	Х	Х	С	Х	Е	Е	Е	Е
palmitic acid	С	G	E	G	G	G	Ι	E	Е
peanut oil	X	X	E	C	X	E	G	G	E
perchloric acid perchloroethylene	C X	X	X G	G	X	E	I X	X	<u>Е</u> Е
petroleum	X	X	E	G	X	E	G	G	E
phenol (carbolic acid)	G	Х	Х	С	Ι	E	С	С	Е
phenylbenzene	X	X	X	X	X	I	X	I	I
phenyl hydrazine	C X	E X	X	X	G	E	I	I	G
phorone phosphoric acid-20%	G	G	G	G	G	E	E	E	E
phosphoric acid-80%	G	C	X	G	C	E	E	I	E
phosphorus trichloride	G	Х	Х	Х	Х	Ι	Ι	Ι	Ι
picric acid	G	G	G	E	G	E	X	G	E
pine oil polyvinyl acetate emulsion	X G	X G	E	X G	X	E	C	I	E
potassium acetate	G	E	G	G	X	E	E	X	E
potassium chloride	G	Ε	E	E	Е	E	E	E	Е
potassium cupro cyanide	E	E	E	E	E	E	E	E	E
potassium cyanide potassium dichromate	G G	E G	E	E	E G	E G	G	E G	<u>Е</u> Е
potassium hydroxide	G	G	G	G	G	E	E	X	E
potassium nitrate	G	E	E	E	E	E	E	E	E
potassium sulfate	G	G	E	E	E	E	Е	E	Ι
propane	X	X	E	G	X	E	G	C	E
propyl acetate propyl alcohol (propanol)	C G	X E	X	X E	X E	E	I G	I X	<u>Е</u>
propyl alconol (propanol) propyl nitrate	G	X	X	X	X	E	I	I	I
propylene	X	X	X	X	X	E	I	X	I
pyranol (transformer oil)	Х	Х	Х	Ε	G	Ε	Ι	G	Ι
pyridine	G	X	X	X	X	E	X	G	I
sal ammoniac salicylic acid	G G	E	E G	E	E G	E	I	E	 
salt water	G	E	E	E	E	E	E	E	E
sewage	G	G	E	G	G	E	G	X	E
silicone greases	G	Е	Ε	Ε	Ε	Ε	G	Ε	E

	EPDM	Natural	Nitrile	Neoprene	SBR	XLPE	PVC	Urethane	UHMWPE
silicone oils	G	E	E	E	E	E	G	E	E
silver nitrate	G	E	G	E	E	E	G	E	E
skydrol 500 & 7000	G	Х	Х	Х	Х	E	Х	Х	E
soap solutions	G	G	E	G	E	E	E	C	
soda ash	G	E	E	E	E	E	E	E	<u> </u>
sodium acetate	G	E	G	G	X	E	E	X	E
sodium bicarbonate	G	E	E	E	E	E	E	E	E
sodium bisulfite	G	E	E	E	G	E	E	E	
sodium borate	G	E	E	E	E	E	E	E	E
sodium chloride (brine)	G	E	E	E	E	E	E	E	E
sodium cyanide sodium hydroxide	G	E	G	E	E	E	G	<u>с</u> Х	E
	C	X	G	E	X	G	G	X	E
sodium hypochlorite sodium metaphosphate	G	E	E	G	E	E	E	 I	E
sodium nitrate	G	G	G	G	E	E	E	E	E
sodium perborate	G	G	G	G	G	E	I	I	E
sodium peroxide	G	G	G	G	G	E	E	X	E
sodium phosphate	G	 E	E	G	E	E	E	E	
sodium phosphate	G	E	E	E	E	E	E	E	E
sodium sulfate	G	G	E	E	G	E	E	E	E
sodium thiosulfate	G	G	G	E	G	E	E	E	E
soybean oil	X	X	E	G	X	E	E	G	E
stannic chloride	G	Ē	E	G	E	E	G	I	E
stearic acid	G	G	G	G	G	E	E	E	E
styrene	X	X	X	X	X	G	X	C	C
sucrose solution	G	E	E	G	E	E	E	X	E
sulfur	G	X	X	E	X	E	I	I	E
sulfur chloride	X	X	C	C	X	E	G	I	
sulfur dioxide-dry	E	C	X	X	<u>с</u>	G	G	I	I
sulfur dioxide-liquid	G	G	X	G	G	E	X	I	I
sulfur dioxide-wet	E	G	X	G	G	E	X	I	I
sulfuric trioxide	C	G	X	X	G	G	E	I	X
sulfuric acid 10%	G	C	С	G	С	E	E	С	E
sulfuric acid 10-75%	G	Х	Х	Х	Х	Ε	С	Х	Ε
sulfurous acid	G	G	G	G	G	E	G	X	E
tannic acid	G	E	E	E	G	E	E	E	E
tar bituminous	Х	Х	G	С	Х	Х	Ι	Ι	С
tartaric acid	С	С	E	G	Х	E	E	E	E
terpineol	X	Х	G	Х	Х	G	G	G	I
tertiary butyl alcohol	С	G	G	G	G	E	G	Х	Ε
tetrachloroethylene	Х	Х	Х	Х	Х	Ε	Х	Х	E
tetraethyl lead	Х	Х	G	G	Х	Ι	Ι	Ι	Ι
toluene	Х	Х	Х	Х	Х	E	Х	Х	G
toluol	Х	Х	Х	Х	Х	Ε	Ι	Ι	Ε
transformer oil	Х	Х	E	G	Х	E	Ι	E	E
transmission fluid A	Х	Х	Ε	G	Х	E	Ι	E	Ε
trichloroethane	Х	Х	Х	Х	Х	E	Х	Х	G
trichloroacetic acid	С	С	G	Х	G	E	Ι	Ι	E
trichloroethylene	Х	Х	Х	Х	Х	E	Х	Х	С
tricresyl phosphate	Х	Х	Х	Х	С	E	Х	С	E
triethanol amine	G	G	G	Е	G	Е	С	Х	Ε
trinitrotoluene	Х	Х	Х	G	Х	E	Ι	Ι	G
turbine oil	Х	Х	G	Х	Х	E	G	E	Ι
turpentine	Х	Х	E	Х	Х	Е	G	Х	Ε
vegetable oils	Х	Х	Е	С	Х	Е	G	G	Ε
vinegar	G	G	G	G	G	Е	E	Х	Ε
vinyl chloride	Х	Х	Х	Х	Х	E	Х	Х	Е
water	G	Е	Ε	Е	Ε	Ε	Ε	G	Е
whiskey, wine	G	Е	E	Е	E	E	С	G	Е
white oil	Х	Х	E	G	Х	E	Ι	E	Е
wood oil	Х	Х	Е	G	Х	Ε	Ε	С	E
xylene	Х	Х	Х	Х	Х	E	Х	Х	С
zinc chloride	G	E	E	E	E	E	E	E	E

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