



# Industrial Hose & Couplings Hydraulic Hose & Fitting Quick Connect Coupler



**HYFORCE**  
FLUID POWER

EMAIL: [INFO@HYFORCEFP.COM.AU](mailto:INFO@HYFORCEFP.COM.AU)  
ADDRESS: 7 EXPLORER PLACE, HALLAM, VIC 3803  
WEB: [WWW.HYFORCEFP.COM.AU](http://WWW.HYFORCEFP.COM.AU)  
PHONE: +61 423 170 548

AIR  
WATER  
PETROLEUM  
CONCRETE  
VACUUM  
HOT WATER  
BULK MATERIAL  
FOOD  
CHEMICAL  
HEATER AND COOLER  
HYDRAULIC



# AIR HOSE

**Contractor Air & Water Hose**  
**Yellow Steel Wire Hose**  
**Jackhammer Air Compressor Hose**  
**Lay flat Compressed Air Hose**



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## AIR HOSE

### High Pressure Lay Flat Compressed Air Hose

#### Features:

- Light, yet rugged and hard-wearing hose.
- The low weight, combined with a high-pressure rating, makes the hose popular and easy to use.
- The hose does not stretch when pulled and has a very high-pressure rating versus wall thickness.
- Excellent abrasion resistance.
- Double Jacket hose with TPU outer layer / Inner layer

#### Design:

- Double jacket hose solution ensuring high burst pressure, puncture resistance and flexibility
- High tensile polyester weaves covered and lined with an ultimate abrasion- and oil resistant Thermoplastic polyurethane (TPU).
- Field proven hose with long track record.
- Lengths up to 131 feet (40m).
- **High working pressure 633psi and nominal burst pressure 2535psi for 2".**
- High flexibility.
- Easy handling – low weight compared to conventional hose.
- **High operating pressure and temperature Max. 110°C / +230°F.**



PART NO.	Inner Diameter		Wall Thickness		Tensile Strength		Burst Pressure		Weight	
	Inch	mm	ft/m	ft/m	x1000 lbs	Tons	PSI	Bar	lbs./Ft	Kg/m
OLMH-200-633	2	51	0.17	4.4	31.7	14.3	2535	175	0.55	0.82
OLMH-300-435	3	76	0.18	4.5	46.6	21.0	1740	120	0.83	1.24



NOTE: MINIMUM SAFETY FACTOR BP/WP IS 4:1 (25%) FOR COMPRESSED AIR (ISO 7751:1991)  
COUPLING 2" DESIGNED AND APPROVED BY ATLAS COPCO.

Whip check cable recommended for safety

## AIR HOSE

### Contractor Air & Water Hose 300psi

#### Application:

Mandrel built heavy duty air and water hose for compressors, drilling equipment and standard pneumatics.

#### Tube:

Black smooth rubber.

#### Reinforcement:

High tensile textile plies.

#### Cover:

Yellow, smooth surface, fabric impression, weather and abrasion resistant.

#### Working Pressure:

300 PSI, 20 bar

#### Nominal Burst Pressure:

900 PSI, 60 bar






#### Temperature:

-31°F/+176°F (-35°C /+80°C)

#### Marking:





 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m
CAYW-050-300	1/2	13	0.91	23	0.24	0.36	200/61
CAYW-0625-300	5/8	16	1.02	26	0.28	0.41	200/61
CAYW-075-300	3/4	19	1.18	30	0.34	0.51	200/61
CAYW-100-300	1	25	1.46	37	0.48	0.72	200/61
CAYW-125-300	1¼	32	1.73	44	0.58	0.86	200/61
CAYW-150-300	1½	38	2.01	51	0.75	1.11	200/61
CAYW-200-300	2	51	2.6	66	1.16	1.72	200/61
CAYW-250-300	2½	63	3.11	79	1.49	2.21	200/61
CAYW-300-300	3	76	3.62	92	1.67	2.49	200/61
CAYW-400-300	4	102	4.65	118	2.18	3.25	200/61



## AIR HOSE

Contractor Extra Pressure Air & Water Hose 400psi

### Application:

Mandrel built heavy duty air and water hose for compressors, drilling equipment and standard pneumatic machines.

### Tube:

Black smooth rubber.

### Reinforcement:

High tensile textile plies.

### Cover:

Yellow, smooth surface, fabric impression, weather and abrasion resistant.

### Working Pressure:

400 PSI, 25 bar

### Nominal Burst Pressure:

1200 PSI, 75 bar






### Temperature:

-31°F/+176°F (-35°C /+80°C)

### Marking:





 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m
CAYW-050-400	1/2	13	0.91	23	0.24	0.36	200/61
CAYW-0625-400	5/8	16	1.02	26	0.28	0.41	200/61
CAYW-075-400	3/4	19	1.18	30	0.34	0.51	200/61
CAYW-100-400	1	25	1.50	38	0.48	0.72	200/61
CAYW-125-400	1¼	32	1.81	46	0.58	0.86	200/61
CAYW-150-400	1½	38	2.05	52	0.75	1.11	200/61
CAYW-200-400	2	51	2.6	66	1.16	1.72	200/61
CAYW-250-400	2½	63	3.11	79	1.49	2.21	200/61
CAYW-300-400	3	76	3.70	94	1.67	2.49	200/61
CAYW-400-400	4	102	4.72	120	2.18	3.25	200/61

# AIR HOSE

## Yellow Steel Wire Hose

### Application:

Mandrel built high pressure steel wire reinforced air hose. Heavy duty, and suitable for mining, rock drilling and oil industries.

### Tube:

Black Nitrile rubber blended for oil mist.

### Reinforcement:

High strength steel wire reinforced.

### Cover:

Yellow, smooth surface, fabric impression, weather and abrasion resistant.

### Working Pressure:

600 PSI, 40 bar

### Nominal Burst Pressure:

1800 PSI, 120 bar

### Temperature:

-40°F/+248°F (-40°C /+120°C)

### Marking:

PARAGON



PART NO.	ID		OD		Pressure		Min. b. r.		Max. L
	Inch	mm	Inch	mm	Working Psi	Burst Psi	Inch	mm	ft/m
YSAH-150-600	1 ½"	38	1.93	49	600	1800	18	457	200/61
YSAH-200-600	2	51	2.6	64	600	1800	22	561	200/61
YSAH-300-600	3	76	3.70	94	525	1575	33.1	840	200/61
YSAH-400-525	4	102	4.75	120	525	1575	44	1120	200/61





## AIR HOSE

### Jackhammer Air Compressor Hose

#### Application:

This hose is specially designed for jack hammer and contractor use, also used for wash down in construction.

#### Tube:

Black, oil-mist resistance smooth rubber.

#### Reinforcement:

High tensile synthetic textile plies.

#### Cover:

Yellow, smooth rubber, weather and abrasion resistant.

#### Working Pressure:

300 PSI, 20 bar

#### Nominal Burst Pressure:

900 PSI, 60 bar






#### Temperature:

-31°F/+176°F (-35°C /+80°C)






#### Marking:

 PARAGON



 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m
CAYS-050-300	1/2	13	0.88	22	0.22	0.33	50
CAYS-075-300	3/4	19	1.15	29	0.37	0.55	50/100
CAYS-100-300	1	25	1.42	36	0.50	0.74	50/100



 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m
CAYS-075-300-50'-UC	3/4	19	1.15	29	0.37	0.55	50/100
CAYS-100-300-50'-UC	1	25	1.42	36	0.50	0.74	50/100







## AIR HOSE

High Temp. Compressed Air Hose – Steel Braided

### Application:

High pressure steel wire braided compressed air hose used for heavy duty mine and quarry applications where maximum safety is a requirement. High durability is one of the main features.

### Tube:

Black synthetic oil mist and high temperature resistant rubber.

### Reinforcement:

Two high strength steel wire reinforced.

### Cover:

Blue EPDM, ozone and abrasion resistant.

### Working Pressure:

90 bar, 1300psi.

### Nominal Burst Pressure:

Safety factor 4:1  
360 bar, 5200psi.







### Temperature:

-40°F/+300°F (-40°C /+150°C) with peaks of 232°C (450°F)

### Marking:

 PARAGON



 PART NO.	 ID		 OD		 Weight		 Min. b. r.	 Max. L
	Inch	mm	Inch	mm	lbs./FT	Kg/m	Inch	Ft/m
BHAH-200-1300	2	51	2.64	67	1.93	2.88	24.8	100/30



## AIR HOSE

### Yellow Lay flat Air Hose

#### Application:

Agriculture Irrigation  
Cable covering  
Drainage, watering  
Mining and dewatering

Air Compressors  
Dry material discharge  
High pressure liquid pumping  
Flotation booms

#### Working Pressure:

Varies by sizes from 300 to 85 PSI.

#### Nominal Burst Pressure:

Safety factor 3:1

#### Tube:

Yellow PVC/Nitrile material with a good abrasion, chemical and UV resistance.

#### Temperature:

-20°F/+176°F (-29°C /+80°C)

#### Reinforcement:

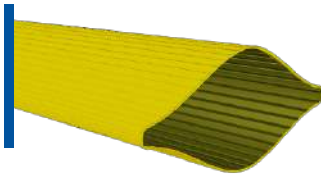
High tensile polyester yarn, weave pattern to avoid kinking and snaking.

#### Marking:

 PARAGON

#### Cover:

Yellow



PART NO.	ID		OD		Pressure		Weight		Max. L
	Inch	mm	Inch	mm	working Psi	Burst Psi	lbs./Ft	Kg/m	ft/m
YFAH-075-300 *	¾	19	0.08	2.0	300	900	0.23	0.34	300/100
YFAH-100-300 *	1	25	0.08	2.0	300	900	0.32	0.48	300/100
YFAH-150-225 *	1½	38	0.11	2.8	255	765	0.41	0.61	300/100
YFAH-200-200 *	2	51	0.12	3.0	200	600	0.52	0.77	300/100
YFAH-300-150	3	76	0.12	3.0	150	450	0.76	1.13	300/100
YFAH-400-150	4	102	0.12	3.0	150	450	1.21	1.80	300/100
YFAH-600-85	6	152	0.16	4.1	85	255	1.62	2.41	300/100

\*Longer length available on request

Available with universal coupling on request.

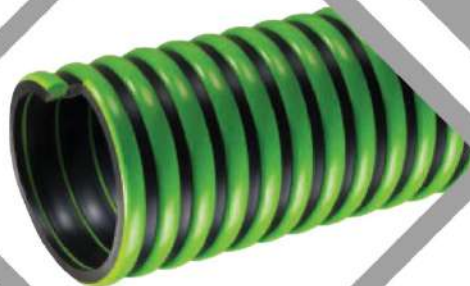




# WATER HOSE

Premium Water Garden Hose  
Premium General Purpose Hose  
Premium Heavy Duty PVC Water Discharge Hose  
EPDM Water Suction & Discharge Hose

PVC Green & Blue Water Suction Hose  
Beverages & Drinking Water Hose



# **WATER HOSE** Water Discharge Hose

**Application:**

Water discharge hose for water and non-corrosive fluids. Suitable for irrigation systems, agricultural vehicles, dewatering construction projects and industrial wastewater.

**Tube:**

Black smooth EPDM rubber.

**Reinforcement:**

High tensile textile plies.

**Cover:**

Black, smooth finish rubber, weather and abrasion resistant rubber with fabric impression.

**Working Pressure:**

150 PSI, 10 bar

**Nominal Burst Pressure:**

450 PSI, 30 bar






**Temperature:**

-40°F/+176°F (-40°C /+80°C)

**Marking:**





 <b>PART NO.</b>	 <b>Inner Diameter</b>		 <b>Outside Diameter</b>		 <b>Weight</b>		 <b>Max. L</b>
	Inch	mm	Inch	mm	lbs./ft	Kg/m	ft/m
RWDH-200-150	2	51	2.24	57	0.38	0.57	200/61
RWDH-250-150	2½	63	2.60	66	0.44	0.65	200/61
RWDH-300-150	3	76	3.27	83	0.65	0.97	200/61
RWDH-400-150	4	102	4.33	110	1.01	1.50	200/61
RWDH-500-150	5	127	5.35	136	1.43	2.13	200/61
RWDH-600-150	6	152	6.26	159	1.54	2.29	100/30.5
RWDH-800-150	8	203	8.38	213	2.75	4.09	100/30.5
RWDH-1000-150	10	254	10.39	264	3.28	4.88	100/30.5
RWDH-1200-150	12	305	12.52	318	4.61	6.86	100/30.5

To order hose use part number starting RWDH-size-150-LL, for 6" RWDH-600-150-50'.

Hose assemblies with Bauer couplings and Camlock are available on request.



# **WATER HOSE** Water Suction & Discharge Hose

**Application:**

Water suction and discharge hose for water and non-corrosive fluids. Suitable for irrigation systems, agricultural vehicles, dewatering construction projects and industrial wastewater.

**Tube:**

Black smooth rubber.

**Reinforcement:**

High tensile textile plies and steel helix wire.

**Cover:**

Black, smooth finish rubber, weather and abrasion resistant rubber with fabric impression.

**Working Pressure:**

150 PSI, 10 bar

**Nominal Burst Pressure:**

450 PSI, 30 bar

**Temperature:**

-40°F/+176°F (-40°C /+80°C)

**Marking:**





 PART NO.	 ID		 OD		 Vacuum.	 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	In. hg	Inch	lbs./FT	Kg/m	ft/m
RWSH-075-150	3/4	19.0	1.14	29	23.9"	3.75	0.3	0.45	200/61
RWSH-100-150	1	25.4	1.38	35	23.9"	4.9	0.44	0.65	200/61
RWSH-125-150	1¼	31.8	1.65	42	23.9"	6.3	0.54	0.80	200/61
RWSH-150-150	1½	38.1	1.89	48	23.9"	7.5	0.64	0.95	200/61
RWSH-200-150	2	51	2.4	61	23.9"	10.1	0.84	1.25	200/61
RWSH-250-150	2½	63	2.91	74	23.9"	12.4	1.11	1.65	200/61
RWSH-300-150	3	76	3.46	88	23.9"	14.85	1.48	2.2	200/61
RWSH-400-150	4	102	4.49	114	23.9"	19.5	1.98	2.95	200/61
RWSH-500-150	5	127	5.63	143	23.9"	24.5	3.29	4.9	100/30.5
RWSH-600-150	6	152	6.61	168	23.9"	30.2	4.37	6.5	100/30.5
RWSH-800-150	8	203	8.86	225	23.9"	40	8.06	12	100/30.5
RWSH-1000-150	10	254	10.98	279	23.9"	50	11.76	17.5	100/30.5
RWSH-1200-150	12	305	13.03	331	23.9"	60	15.46	23	100/30.5



To order hose use part number starting RWSH-size-150-LL, for 4" RWSH-400-150-100. Hose assemblies with Bauer couplings are available on request.

# **WATER HOSE** PVC Lay-Flat Water Discharge Hose

**Application:**

Light and economical lay flat hose which is easy to roll up and pack for storage after use. It is suitable for drip irrigation application and no tearing after punching. Produced in a single process inner and outer tube bound with high tensile yarn reinforcement.

**Temperature:**

-5°F/+170°F (-20°C /+76°C)

**Marking:**

 PARAGON

**Tube and Cover:**

Durable Polyvinyl Chloride PVC material.

**Reinforcement:**

High strength polyester yarn spiral wrap.



 PART NO.	 ID		 OD		 Pressure	 Weight		 Max. L
	Inch	mm	Inch	mm	PSI in 60°F	lbs./Ft	Kg/m	ft/m
BLFW-100-110-300	1	25	1.13	26.5	110	0.11	0.16	300/91
BLFW-125-80-300	1¼	32	1.38	33.1	80	0.13	0.19	300/91
BLFW-150-80-300	1½	38	1.63	39.7	80	0.16	0.24	300/91
BLFW-200-70-300	2	51	2.13	52.9	70	0.23	0.34	300/91
BLFW-250-70-300	2½	63	2.66	66.2	70	0.29	0.43	300/91
BLFW-300-65-300	3	76	3.16	79.4	65	0.39	0.58	300/91
BLFW-400-60-300	4	101	4.17	105.8	60	0.52	0.77	300/91
BLFW-500-60-300	5	127	5.17	132.2	60	0.68	1.01	300/91
BLFW-600-60-300	6	150	6.17	158.6	60	0.86	1.28	300/91
BLFW-800-45-300	8	203	8.21	211.4	45	1.3	1.94	300/91
BLFW-1000-45-300	10	254	10.24	264.2	45	1.81	2.69	300/91



Available with C/E camlock coupling on request.

# WATER HOSE Premium Heavy Duty PVC Water Discharge Hose

**Application:**  
 Agriculture  
 Construction  
 Industrial Project  
 Mining and Dewatering






**Temperature:**  
 -5°F/+170°F (-20°C /+76°C)

**Marking:**  


**Tube and Cover:**  
 Durable PVC material with a good abrasion, chemicals and UV resistance.

**Reinforcement:**  
 High Performance reinforcement designed for higher pressure.



 PART NO.	 Inner Diameter		 Wall Thickness		 Pressure	 Weight		 Max. L
	Inch	mm	Inch	mm	Psi in 60°F	lbs./Ft	Kg/m	ft/m
BRFW-150-150-300	1½	38	0.087	2.2	150	0.23	0.34	300/91
BRFW-200-150-300	2	50.8	0.091	2.3	150	0.32	0.48	300/91
BRFW-250-150-300	2½	63.5	0.095	2.4	150	0.41	0.61	300/91
BRFW-300-150-300	3	76.2	0.098	2.5	150	0.52	0.77	300/91
BRFW-400-125-300	4	101.6	0.110	2.8	125	0.76	1.13	300/91
BRFW-600-115-300	6	152.4	0.118	3.0	115	1.21	1.80	300/91
BRFW-800-70-300	8	203.2	0.122	3.1	70	1.62	2.41	300/91
BRFW-1000-65-300	10	254	0.122	3.1	65	1.95	2.90	300/91

# WATER HOSE

## Flexible Lay Flat Water Discharge Hose

### RAPID INSTALLATION & RETRIEVAL OF THE SUBMERSIBLE PUMP:

Supplied in a single length to the required pump setting, there are no flanges or joints, except at the pump and headworks. Installation options include by crane or with a vehicle allowing for rapid restoration of service in the event of routine maintenance or pump failure.

### LOW MAINTENANCE:

All synthetic materials of construction mean that there is zero corrosion and no scale build up. The high grade polyurethane lining and cover material is resistant to hydrocarbon fuels, many chemicals, ozone and UV, abrasion and microbial attack.

### SUPERIOR HYDRAULIC PERFORMANCE:

The textile reinforcement is designed to swell under operating conditions up to 15%. This feature gives a nominal increase in riser diameter, reducing friction loss and improving hydraulic performance. Often this can be translated into a smaller Wellman diameter than conventional rigid pipe, giving additional financial benefits.

### EASY TO STORE & TRANSPORT:

Wellman has a small storage footprint compared to rigid pipe, allowing transportation by smaller vehicles and requiring less manpower. Particularly useful when installation is required in remote locations with poor access.

### TYPICAL APPLICATIONS INCLUDE:

- Groundwater abstraction - potable and brackish
- Water supply wells in R.O. desalination plant app.
- Food processing
- Irrigation/ Agriculture
- Environmental monitoring
- Mine de-watering
- Land stabilization
- Solar power systems
- Offshore rig fire water and service pumps

### Working Temperature:

-40°F/+122°F (-40°C /+50°C)



AS/NZS 4020

KTW-DVGW



PART NO.	Inner Diameter		Flow Rate at 820 ft Pump Setting		Velocity at max. Flow		Burst Pressure		Weight		Max. L
	Inch	mm	gmp	l/s	f/s	m/s	Psi	Bar	lbs./Ft	Kg/m	
WWFB-200	2	51	127	8	8	2.4	900	62	0.5	0.7	300
WWFB-300	3	76	285	18	10	3.0	900	62	0.7	1.0	300
WWFB-400	4	102	650	41	10	3.0	900	62	1.1	1.6	300
WWFB-500	5	127	1238	78	14	4.2	840	58	1.3	2.0	300
WWFB-600	6	152	1665	105	15	4.5	840	58	1.7	2.5	300

NOTE: Safety BP/WP is 2:1 (50%). For all non-hazard and/or non-flammable liquids.



# PORTABLE WATER HOSE – NSF-61

## TPU Water Lay Flat Hose

### Features:

Approved for transfer of potable water.  
 Transfer large volumes of liquid with high working pressures. Lightweight and easy to deploy.  
 Premium abrasion resistance.  
 Minimum extension in length and snaking when in use.

### Advantages:

Designed, tested and certified for transfer of potable water. Excellent abrasion resistance of the TPU material enables the use of very thin and lightweight hoses with large diameters to be quickly and easily deployed.  
 Can be delivered in long length (>200m) for sizes up to 6" (152)

### Design:

Aquaman is made from extruded thermoplastic polyether based polyurethane (TPU). Reinforcement made from circular woven filament polyester yarn. The extrusion through the weave production method gives a very strong bonding between cover and lining as well as firmly encapsulating the woven polyester.

- Aquaman (TPU) can be used as an emergency bypass or even as a permanent alternative for supply of drinking water. This hose is also used in the ship service sector, and even for festivals and other temporary events.

Drinking water supply has become a major challenge worldwide. Aquaman has been designed to provide the most efficient, economical and easy to install transportation system for drinking water. Lay-flat hoses are the best option for water transfer when it comes to flexibility, low volume and easy handling and deployment.



PART NO.	Inner Diameter		Wall Thickness		Tensile Strength		Burst Pressure		Weight		Max. L
	Inch	Mm	Inch	mm	x1000 lbs	Tons	Psi	Bar	lbs./Ft	Kg/m	ft
WAFB-100	1	25	0.07	1.9	3.3	1.5	725	50	0.13	0.20	300
WAFB-150	1 ½	38	0.08	2.1	5.8	2.6	655	45	0.20	0.30	300
WAFB-200	2	51	0.09	2.2	7.6	3.4	655	45	0.29	0.44	300
WAFB-250	2 ½	63	0.09	2.3	9.1	4.1	610	42	0.36	0.58	300
WAFB-300	3	76	0.09	2.4	10.7	4.8	610	42	0.47	0.75	300
WAFB-400	4	102	0.12	3.0	23.1	10.4	520	36	0.72	1.07	300
WAFB-500	5	127	0.12	3.0	26.9	12.1	435	30	0.99	1.48	300
WAFB-600	6	152	0.12	3.0	33.3	15.0	435	30	1.15	1.72	300
WAFB-800	8	203	0.13	3.2	43.8	19.7	380	26	1.53	2.30	300
WAFB-1000	10	254	0.13	3.3	65.8	29.6	305	21	2.05	3.08	300
WAFB-1200	12	305	0.13	3.4	83.1	37.4	220	15	2.53	3.80	300



NOTE: Safety BP/WP is 2:1 (50%). For all non-hazard and/or non-flammable liquids.

# WATER HOSE Premium PVC/NITRILE Discharge Hose

**Application:**

- |                       |                          |
|-----------------------|--------------------------|
| Agriculture           | Irrigation               |
| Construction          | Limited oil and chemical |
| Industrial wash-down  | Water pump discharge     |
| Mining and dewatering | Cable covering           |

**Temperature:**

-20°F/+176°F (-29°C /+80°C)

**Marking:**

 PARAGON







**Tube and Cover:**

Black PVC/Nitrile material extruded in one stage.

**Reinforcement:**

High tensile polyester yarn reinforcement.



 PART NO.	 Inner Diameter		 Wall Thickness		 Pressure	 Weight		 Max. L
	Inch	mm	Inch	mm	Psi in 60°F	lbs./Ft	Kg/m	ft/m
BKFW-150-300-200	1½	38	0.07	1.8	300	0.20	0.30	200/61
BKFW-200-220-200	2	51	0.07	1.8	220	0.27	0.40	200/61
BKFW-250-200-200	2½	63	0.09	2.3	200	0.38	0.57	200/61
BKFW-300-175-200	3	76	0.09	2.3	175	0.48	0.71	200/61
BKFW-400-150-200	4	102	0.09	2.3	150	0.71	1.06	200/61
BKFW-600-150-200	6	152	0.12	3.0	150	1.08	1.61	200/61

Longer length available on request.

# **WATER HOSE** Single Jacket Firefighting, Mill Hose

**Application:**

Industrial firefighting.  
 Fire hose for brigade.  
 Industrial water discharge.  
 Available in standard length with aluminum NH couplings.

**Temperature:**

-20°F/+176°F (-29°C /+80°C)

**Marking:**






**Tube and Cover:**

Black EPDM rubber lining with 100% virgin polyester single jacket.

**Fitting:**

Coupled with NH/NSH aluminum male and female couplings, and brass expansion ring.



 PART NO.	 Inner Diameter		Assembly AL. NH/NST	 Pressure
	Inch	mm		Psi in 60°F
SJMH-150-150-ANH-LL	1½	38	25'/50'/100'  Available any other custom lengths	W.P.150  B.P. 450
SJMH-200-150-ANH-LL	2	51		
SJMH-250-150-ANH-LL	2½	63		
SJMH-300-150-ANH-LL	3	76		
SJMH-400-150-ANH-LL	4	102		

# WATER HOSE Low temperature PVC water suction and discharge hose

**Application:**

High flexible hose in sub-zero temperature, use for construction pump. Septic tank and marine pumps in rental and dewatering. Resistance to some chemicals, mild acids and wastewater. Special compound of PVC material to increase flexibility at low temperatures.

**Temperature:**

-40°F/+150°F (-40°C /+65°C)

**Marking:**

 PARAGON

**Tube:**

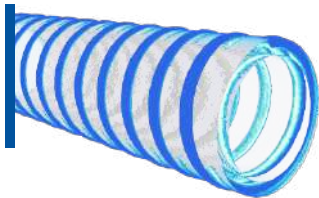
Smooth clear extra soft PVC.

**Reinforcement:**

Blue rigid PVC helix.

**Cover:**

Clear abrasion and weather resistant extra soft PVC.



 PART NO.	 ID		 OD		 W.P.	 Vacuum	 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	Psi	In. hg	Inch	lbs./ft	Kg/m	ft/m
BPWH-075	3/4	19	0.95	24	90	29	3	0.16	0.24	100/30.5
BPWH-100	1	25	1.24	31	85	29	3	0.26	0.39	100/30.5
BPWH-125	1¼	32	1.54	39	80	29	4	0.34	0.51	100/30.5
BPWH-150	1½	38	1.81	46	70	29	5	0.44	0.65	100/30.5
BPWH-200	2	51	2.39	61	70	29	7	0.75	1.12	100/30.5
BPWH-250	2½	63	2.94	75	70	29	8	1.02	1.52	100/30.5
BPWH-300	3	76	3.43	87	65	29	10	1.21	1.80	100/30.5
BPWH-400	4	102	4.54	115	50	29	14	2.02	3.01	100/30.5
BPWH-600	6	152	6.67	169	35	28	23	3.70	5.51	100/30.5

# **WATER HOSE** Green PVC water suction and discharge hose

**Application:**

An economical flexible hose for agricultural liquid fertilizer, air seeder lines, irrigation and water suction and discharge. This hose is resistance to some chemical and light acid.

**Temperature:**

-5°F/+150°F (-20°C /+65°C)

**Marking:**



**Tube:**

Smooth clear PVC.








**Reinforcement:**

Green rigid PVC helix.

**Cover:**

Clear abrasion and weather resistant PVC.



 PART NO.	 ID		 OD		 W. P.	 Vacuum	 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	Psi	In. hg	Inch	lbs./ft	Kg/m	ft/m
GPWH-075	3/4	19	0.95	24	90	29	2	0.16	0.24	100/30.5
GPWH-100	1	25	1.24	31	85	29	3	0.26	0.39	100/30.5
GPWH-125	1¼	32	1.54	39	80	29	4	0.34	0.51	100/30.5
GPWH-150	1½	38	1.81	46	70	29	6	0.44	0.65	100/30.5
GPWH-200	2	51	2.29	61	65	29	5	0.57	0.85	100/30.5
GPWH-250	2½	63	2.85	75	60	29	6	0.87	1.29	100/30.5
GPWH-300	3	76	3.43	87	60	29	12	1.21	1.80	100/30.5
GPWH-400	4	102	4.45	115	50	29	10	1.78	2.65	100/30.5
GPWH-600	6	152	6.67	169	35	28	25	3.70	5.51	100/30.5
GPWH-800	8	203	8.82	224	25	28	30	6.70	9.97	20/6

# **WATER HOSE** EPDM Water Suction & Discharge Hose

**Application:**  
 Heavy duty EPDM liquid suction hose for industrial and agricultural water, cesspool cleaning, slurry and sludge handling, light chemical, dry material and marine use.

**Temperature:**  
 -40°F/+176°F (-40°C /+80°C)



**Marking:**  


**Tube:**  
 Black smooth EPDM rubber.

**Reinforcement:**  
 High polymerization helix.

**Cover:**  
 Green corrugated helix.



 PART NO.	 ID		 OD		 W.P.	 Vacuum	 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	Psi	In. hg	Inch	lbs./FT	Kg/m	ft/m
PE300-100	1	25	1.38	35	60	29.8	2	0.23	0.34	100/30
PE300-125	1 ¼	32	1.62	41.1	60	29.8	3.3	0.34	0.50	100/30
PE300-150	1 ½	38	1.93	49	60	29.8	3.3	0.40	0.59	100/30
PE300-200	2	51	2.5	63.5	60	29.8	5.2	0.66	0.98	100/30
PE300-250	2 ½	63	3.1	78.7	50	29.8	5.5	0.93	1.38	100/30
PE300-300	3	76	3.55	90.1	44	29.8	7.1	1.11	1.65	100/30
PE300-400	4	102	4.6	116.8	38	29.8	11.0	1.85	2.75	100/30
PE300-500	5	127	5.75	146	28	28.0	16.5	2.15	3.19	100/30
PE300-600	6	152	6.8	172.7	23	28.0	20	3.07	4.56	100/30

**HOT WATER HOSE**  
Super-Hot Water Washdown Hose

**Application:**

Mandrel built delivery hose suitable for hot water for cleaning service in food industry. Comply with FDA standards, free from *phthalates*.

**Tube:**

White smooth synthetic rubber, food quality, resistant to heat. Compliance with FDA standards.

**Reinforcement:**

High tensile textile plies.

**Cover:**

White, smooth rubber, resistant to abrasion, heat, traces of oil and weather condition. Fabric impression.

**Working Pressure:**

300 PSI, 20 bar

**Nominal Burst Pressure:**

900 PSI, 60 bar

**Temperature:**

-31°F/+320°F (-35°C /+160°C)

**Marking:**

PARAGON



**Swivel SS316 End With Crimp ferrule**



 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m
HWWU-050-300	1/2	13	0.90	23	0.255	0.38	200/61
HWWU-0625-300	5/8	16	1.02	26	0.295	0.44	200/61
HWWU-075-300	3/4	19	1.18	30	0.38	0.57	200/61
HWWU-100-300	1	25	1.41	38	0.53	0.79	200/61
HWWU-125-300	1¼	32	1.69	46	0.75	1.12	200/61
HWWU-150-300	1½	38	1.99	54	0.96	1.43	200/61
HWWU-200-300	2	51	2.24	68	1.38	2.05	200/61
HWWU-250-300	2½	63	2.56	81	1.73	2.58	200/61





# WATER HOSE

## Premium Water Garden Hose

**Application:**

This is a utility hose for air and water services in construction industry with long life and high flexibility.

**Tube:**

Black smooth rubber.

**Reinforcement:**

High tensile textile plies.

**Cover:**

Black smooth rubber, weather and abrasion resistant.

**Working Pressure:**

200 PSI, 14 bar

**Nominal Burst Pressure:**

600 PSI, 42 Bar






**Temperature:**

-31°F/+176°F (35°C /+80°C)

**Marking:**

 PARAGON



 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	Ft/M
PGH-050-250	1/2	13	0.79	20	0.20	0.30	500 / 150
PGH-062-250	5/8	16	0.94	24	0.23	0.34	500 / 150
PGH-075-250	3/4	19	1.1	28	0.34	0.51	400 / 120



## 🔧 Air & WATER HOSE Premium General-Purpose Hose

**Application:**

Air and water hose with maximum flexibility in agriculture, marine and construction industries. General purpose hose used for air tools, jack hammers, hot and cold water wash down and even low-pressure agricultural spray, vehicle repair and in-plant operations.

**Tube:**

Black and limited oil resistance from EPDM rubber.

**Reinforcement:**

High tensile synthetic yarn.

**Cover:**

Red color EPDM rubber, ozone and weather conditions resistance.

**Working Pressure:**

250 PSI, 17 bar

**Nominal Burst Pressure:**

750 PSI, 51 Bar






**Temperature:**

-40°F/+194°F (-40°C /+90°C)

**Marking:**

 PARAGON



 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	Ft/M
RGPH-025-250-LL	1/4	6	0.55	14	0.12	0.18	500/150
RGPH-037-250-LL	3/8	10	0.67	17	0.17	0.25	500/150
RGPH-050-250-LL	1/2	13	0.83	21	0.25	0.37	250/75
RGPH-075-250-LL	3/4	19	1.1	28	0.38	0.57	200/61
RGPH-100-250-LL	1	25	1.46	37	0.51	0.76	200/61
RGPH-125-250-LL	1 1/4	32	1.73	44	0.8	1.19	100/30.5
RGPH-150-250-LL	1 1/2	38	2.13	54	0.98	1.46	100/30.5
RGPH-200-250-LL	2	51	2.6	66	1.15	1.71	100/30.5

# **WATER HOSE** Beverages and Portable Water Suction & Discharge Hose

**Application:**

Food suction and delivery hose for milk and dairy, light alcoholic beverages, drinking water, fruit juices, oily and fatty foodstuff. FDA and 3A sanitary standards, BfR recommendations XXI cat. 2, REG CE 1935/04 and 2023/06 DM21/3/73.

**Tube:**

White, smooth, mirror-like, odorless and taste free NBR rubber.

**Reinforcement:**

High tensile textile plies with steel helix wire.

**Cover:**

Blue or grey color, resistant to vegetable fats, abrasion, ozone and weather conditions.

**Working pressure:**

150 PSI, 10 bar

**Nominal burst pressure:**

450 PSI, 30 bar

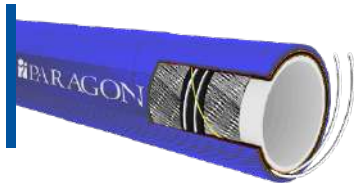
**Temperature:**








-31°F/+194°F (-35°C /+90°C)

Can be sterilized at +266°F (130°C) for max. 30 minutes.

**Marking:**





 PART NO.	 ID		 OD		 Vacuum	 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	In. hg	Inch	lbs./FT	Kg/m	ft/m
BWSH-075-150	3/4	19.0	1.22	31	26.93"	1.77	0.42	0.63	200/61
BWSH-100-150	1	25	1.45	37	26.93"	2.16	0.52	0.77	200/61
BWSH-125-150	1¼	32	1.73	44	26.93"	2.75	0.62	0.92	200/61
BWSH-150-150	1½	38	2.05	52	26.93"	3.15	0.88	1.32	200/61
BWSH-200-150	2	51	2.56	65	26.93"	4.33	1.24	1.84	200/61
BWSH-250-150	2½	63	3.11	79	26.93"	5.51	1.67	2.49	200/61
BWSH-300-150	3	76	3.62	92	26.93"	6.69	1.90	2.83	200/61
BWSH-400-150	4	102	4.80	122	26.93"	8.66	3.28	4.89	200/61

Hose is resistant to a tensile stress of 880 lbs with a diameter shrinkage of 3.5%.

# **WATER HOSE** Steel Mill Water Cooling Hose

**Application:**

Glass fiber covered water cooling hose for the steel and glass industry. Cover is resistant to heat and molten steel bits resistant. Hose is electricity resistance to 25 KV according to EN 61386-1.

**Tube:**

White smooth rubber with insulating properties and heat resistance

**Reinforcement:**

High tensile textile plies.

**Cover:**

Specially colored rubber, insulating and heat resistant. External glass fiber ply treated with self-extinguishing rubber resistant to radiant heat up to 600° C.

**Working pressure:**

150 PSI, 10 bar

**Nominal burst pressure:**

450 PSI, 30 bar

**Temperature:**

Max temperature of the conveyed fluid +120° C

**Marking:**





 <b>PART NO.</b>	 <b>Inner Diameter</b>		 <b>Outside Diameter</b>		 <b>Weight</b>		 <b>Max. L</b>
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	Ft/M
SMWH-050	1/2	13	0.9	23	2.96	4.40	200/61
SMWH-075	3/4	19.0	1.22	31	4.55	6.77	200/61
SMWH-100	1	25	1.49	38	6.07	9.03	200/61
SMWH-125	1 ¼	32	1.89	48	9.47	14.09	200/61
SMWH-150	1 ½	38	2.16	55	11.78	17.53	200/61
SMWH-200	2	51	2.76	70	17.86	26.58	200/61
SMWH-250	2 ½	63	3.38	86	22.56	33.57	200/61
SMWH-300	3	76	3.78	96	24.30	36.16	200/61
SMWH-400	4	102	4.84	123	33.63	50.04	200/61





# PETROLEUM HOSE

Tank truck suction & discharge hose  
Smart-flex suction & discharge truck hose





## PETROLEUM HOSE

### Tank Truck Suction & Discharge Hose

#### Application:

Oil suction and discharge hose suitable for petroleum products.

#### Tube:

Black smooth synthetic rubber, resistant to mineral oils and fuels with maximum 50% aromatic content.

#### Reinforcement:

High tensile textile plies and helix wire embedded and antistatic wire.

#### Cover:

Black, smooth conductive rubber, abrasion, oil, fuel, ozone and weather resistant

#### Working Pressure:

150 PSI, 10 bar

#### Nominal Burst Pressure:

450 PSI, 30 bar








#### Temperature:

-22°F/+194°F (-30°C /+90°C)

#### Marking:

 PARAGON



 c	 ID		 OD		 Vacuum	 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	In. hg	Inch	lbs./ft	Kg/m	ft / m
TTSH-075-150	3/4	19.0	1.18	30	24	4	0.37	0.55	200/61
TTSH-100-150	1	25	1.41	36	24	4	0.46	0.68	200/61
TTSH-125-150	1¼	32	1.69	43	24	4	0.63	0.94	200/61
TTSH-150-150	1½	38	1.99	51	24	5	0.72	1.07	200/61
TTSH-175-150	1¾	45	2.24	57	24	5	0.79	1.18	200/61
TTSH-200-150	2	51	2.56	65	24	6	0.93	1.38	200/61
TTSH-250-150	2½	62	3.11	79	24	8	1.39	2.07	200/61
TTSH-300-150	3	76	3.62	92	24	9	1.85	2.75	200/61
TTSH-350-150	3½	90	4.25	108	24	10	2.93	4.36	200/61
TTSH-400-150	4	102	4.72	120	24	12	2.93	4.36	200/61
TTSH-600-150	6	152	6.98	179	24	30	4.43	6.59	100/30.5
TTSH-800-150	8	203	9.25	235	24	42	6.20	9.23	100/30.5



## PETROLEUM HOSE

### Corrugated Tank Truck Oil Suction & Discharge Hose

#### Application:

Corrugated suction and discharge hose designed for transfer of petroleum and fuel from tank-to-tank trucks and vice versa in fuel stations. It is light weight, easy to handle and flexible hose.

#### Tube:

Black smooth rubber suitable for mineral oil and all grades of petroleum products with up to 50% aromatic content and unleaded petrol with maximum 5% MTBE and 15% oxygenated compounds.

#### Reinforcement:

High tensile textile plies, helix wire embedded and antistatic wire.

#### Cover:

Black, corrugated surface, conductive, resistant to abrasion, oil, fuel, ozone and weather conditions.

#### Working Pressure:

150 PSI, 10 bar

#### Nominal Burst Pressure:

450 PSI, 30 bar








#### Temperature:

-22°F/+194°F (-30°C /+90°C)

#### Marking:

 PARAGON



 PART NO.	 ID		 OD		 Vacuum	 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	In. hg	Inch	lbs./ft	Kg/m	ft /m
TTCH-100-150	1	25	1.41	36	24	2	0.47	0.70	200/61
TTCH-125-150	1¼	32	1.69	43	24	2.5	0.50	0.75	200/61
TTCH-150-150	1½	38	1.99	51	24	3.5	0.67	1.00	200/61
TTCH-200-150	2	51	2.56	65	24	5	0.94	1.40	200/61
TTCH-250-150	2½	63	3.11	79	24	6	1.28	1.90	200/61
TTCH-300-150	3	76	3.62	92	24	8	1.61	2.40	200/61
TTCH-400-150	4	102	4.72	120	24	10	2.49	3.70	200/61
TTCH-500-150	5	127	6.98	179	24	14	3.02	4.50	100/30.5
TTCH-600-150	6	152	9.25	235	24	16	4.44	6.60	100/30.5



## PETROLEUM HOSE

### Tank Truck Suction & Discharge Hose 300PSI

#### Application:

Oil suction and discharge hose suitable for petroleum products.

#### Tube:

Black smooth synthetic rubber, resistant to mineral oils and fuels with maximum 50% aromatic content.

#### Reinforcement:

High tensile textile plies and helix wire embedded and antistatic wire.

#### Cover:

Black, smooth conductive rubber, abrasion, oil, fuel, ozone and weather resistant.

#### Working Pressure:

300 PSI, 20 bar

#### Nominal Burst Pressure:

900 PSI, 60 bar








#### Temperature:

-22°F/+194°F (-30°C /+90°C)

#### Marking:





 PART NO.	 ID		 OD		 Vacuum	 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	In. hg	Inch	lbs./ft	Kg/m	ft /m
TTSH-200-300	2	51	2.60	66	30	8	1.30	1.38	200/61
TTSH-300-300	3	76	3.62	92	30	12	2.06	2.75	200/61
TTSH-400-300	4	102	4.72	120	30	18	3.05	4.36	200/61
TTSH-600-300	6	152	6.88	175	30	42	5.95	6.59	100/30.5



## PETROLEUM HOSE

Square Corrugated Tank Truck Suction & Discharge Hose 150PSI

### Application:

Corrugated suction and discharge hose designed for transfer of mineral oils, diesel fuel and gasoline with aromatic contents up to 50%. Very flexible.

### Tube:

Black smooth NBR rubber suitable for mineral oil and all grades of petroleum products with up to 50% aromatic content.

### Reinforcement:

High strength synthetic plies, with steel spirals and 1 copper wire for hose grounding.

### Cover:

Black, helix grooved, cloth impression, antistatic SBR/NBR/PVC rubber compound, resistant to oils, abrasion and weather agents.

### Working pressure:

150 PSI, 10 bar

### Nominal burst pressure:

450 PSI, 30 bar








### Temperature:

-22°F + 176°F (-30°C + 80°C).

### Marking:

 PARAGON



 PART NO.	 ID		 OD		 Vacuum	 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	In. hg	Inch	lbs./ft	Kg/m	ft /m
TTCS-100-150	1	25	1.46	37	26	2.95	0.52	0.78	200/61
TTCS-125-150	1 ¼	32	1.73	44	26	3.7	0.67	1.00	200/61
TTCS-150-150	1 ½	38	1.97	50	26	4.48	0.83	1.24	200/61
tTCS-200-150	2	51	2.56	65	26	6.02	1.06	1.57	200/61
TTCS-2375-150	2 3/8	60	2.91	74	26	10.63	1.14	1.70	200/61
TTCS-250-150	2 ½	63.5	3.07	78	20	11.22	1.21	1.80	200/61
TTCS-300-150	3	76	3.58	91	20	13.38	2.01	3.00	200/61
TTCS-400-150	4	102	4.69	119	20	17.71	2.82	4.20	200/61





## PETROLEUM HOSE

### Fuel Discharge Hose

#### Application:

Smooth cover fuel transfer hose use in farm pumps and designed to transfer refined fuels for gravity-feed storage tank.

#### Tube:

Black, smooth, conductive black Nitrile rubber.

#### Reinforcement:

Two high tensile synthetic textile plies with static wire.

#### Cover:

Black, smooth chloroprene.

#### Working pressure:

150 PSI, 10 bar

#### Nominal burst pressure:

150 PSI, 10 bar







#### Temperature:

-40°F/+180°F (-40°C /+82°C).

#### Marking:

 PARAGON



 PART NO.	 Inner Diameter		 Wall Thickness		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	In. hg	Inch	lbs./ft	Kg/m	ft /m
FGH-075-50	¾	19	0.181	4.6	1.112	28	0.35	0.5	200/61
FGH-100-50	1	25	0.195	4.95	1.39	35.3	0.48	0.7	200/61

Packing: 200' coil, Available on reel with additional cost.

# PETROLEUM HOSE

Fuel Oil Delivery Hose

**Application:**

Fuel hose is used for transfer and delivery of fuel oil and petroleum products for commercial, industrial, and home delivery services. This hose can handle variety of fuels with good kinking resistance.

**Tube:**

Black Nitrile Synthetic Rubber.

**Reinforcement:**

2 braided, high tensile synthetic yarn with anti-static wire.

**Cover:**

Red modified rubber (Smooth Finish).

**Working Pressure:**

200 PSI

**Nominal Burst Pressure:**

800 PSI






**Temperature:**

-20°F/+180°F (-29°C /+82°C)

**Marking:**





 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	Ft/M
FODL-100-200-LL	1	25	1.50	38	0.57	0.84	400/121
FODL-125-200-LL	1 1/4	32	1.75	44	0.66	0.98	200/61
FODL-138-200-LL	1 3/8	35	1.88	48	0.71	1.05	200/61
FODL-150-200-LL	1 1/2	38	2.08	53	0.92	1.37	200/61



## PETROLEUM HOSE

Low Temp Tank Truck Suction & Discharge Hose

### Application:

Tank Truck Oil suction and discharge hose suitable for petroleum products for extreme low temperature.

### Tube:

Black, smooth, conductive, synthetic rubber, suitable for petroleum products with up to 50% aromatic.

### Reinforcement:

High tensile textile plies and two helix wires embedded and antistatic wire.

### Cover:

Black, smooth conductive rubber, abrasion, oil, fuel, ozone and weather resistant.

### Working pressure:

150 PSI, 10 bar

### Nominal burst pressure:

450 PSI, 30 bar

### Temperature:

-65°F/+194°F (-54°C /+90°C)

### Marking:

 PARAGON



PART NO.	ID		OD		Vacc.	Min. b. r.	Weight		Max. L
	Inch	mm	Inch	mm	In. Hg	Inch	lbs./ft	Kg/m	ft /m
LTTTC-200-150	2	51	2.48	63	24	7	1.18	1.75	100/30.5
LTTTC-300-150	3	76	3.50	89	24	10	1.85	2.7	100/30.5
LTTTC-400-150	4	102	4.57	116	24	14	2.77	4.1	100/30.5
LTTTC-600-150	6	152	6.69	170	24	20	5.16	7.6	50/15.25
LTTTC-800-150	8	203	8.86	225	24	26	8.26	12.2	50/15.25



MILITARY

**FUELMAN**  
Antistatic Hose

# PETROLEUM HOSE

Low weight

Easy deployment and retrieval

Long lengths + 600ft

Easy to access the copper wires for safe installation



REFINERIES



BULK REFUELING



# PETROLEUM HOSE

## Antistatic Oil & Gas Layflat Hose

### Features:

This Antistatic hose has an excellent abrasion resistance and a very high tensile strength. It is resistant to UV, ozone, fuels as well as weathering / hydrolysis and commonly used chemicals.

It has a positive buoyancy when operated in sea water or fresh water. The hose meets the requirements set out in MIL-PRF-370J. The hose is manufactured in compliance with ISO 9001:2015 quality management system.

### Advantages:

Low weight.

Easy deployment and retrieval.

Less storage needed - Stored on reels or flaked in containers

Long lengths + 200m

Easy to access the copper wires for safe installation

### Design:

Fuelman is a heavy duty Thermoplastic Polyurethane covered hose designed for transferring fuels, other liquid hydrocarbons or to be used as a general purpose Antistatic hose.

The lay flat hose is designed using the state of the art "extrusion through the weave" technology, ensuring a very good bonding between cover and lining the textile weave.

The antistatic property is ensured by dual longitudinal copper wire straps attached to the hose body and which are connected to the end coupling.



**FUELMAN** is an Antistatic hose with an excellent abrasion resistance and a very high tensile strength.

It is resistant to UV, ozone, fuels as well as weathering/hydrolysis and commonly used chemicals

PART NO.	Inner Diameter		Wall Thickness		Tensile Strength		Burst Pressure		Weight		Max. L ft
	Inch	mm	Inch	mm	x1000 lbs	Tons	Psi	Bar	lbs./Ft	Kg/m	
PUFD-150	1½	38	0.07	2.1	5.8	2.8	655	45	0.20	0.30	600
PUFD-200	2	51	0.09	2.2	7.6	3.5	655	45	0.29	0.44	600
PUFD-250	2½	63	0.09	2.3	9.1	4.3	610	42	0.36	0.58	600
PUFD-300	3	76	0.09	2.1	10.7	5.0	610	42	0.47	0.75	600
PUFD-400	4	102	0.09	2.2	23.1	10.8	520	36	0.72	1.07	600







## PETROLEUM HOSE

Antistatic Oil & Gas Layflat Hose

### FUELMAN STANDARD

 PART NO.	 Inner Diameter		 Wall Thickness		 Tensile Strength		 Burst Pressure		 Weight		 Max. L
	Inch	mm	Inch	mm	x1000 lbs	Tons	Psi	Bar	lbs./Ft	Kg/m	ft
PUFD-600	6	152	0.15	3.7	44.0	21.0	650	45	1.34	2.0	600
PUFD-700	7	178	0.16	4.0	70.0	31.8	650	45	1.61	2.4	600
PUFD-800	8	203	0.17	4.2	81.5	37.0	610	42	2.15	3.2	600
PUFD-1000	10	254	0.17	4.3	101.2	46.0	520	36	2.73	4.1	600
PUFD-1200	12	305	0.18	4.5	120.0	54.5	435	30	3.38	5.0	600

### FUELMAN EXTRA (Precalculated figures only)

 PART NO.	 Inner Diameter		 Wall Thickness		 Tensile Strength		 Burst Pressure		 Weight		 Max. L
	Inch	mm	Inch	mm	x1000 lbs	Tons	Psi	Bar	lbs./Ft	Kg/m	ft
PUFDX-200	2	51	0.13	3.2	10.1	4.6	900	62	0.47	0.7	600
PUFDX-300	3	76	0.13	3.3	17.6	8.0	900	62	0.67	1.0	600
PUFDX-400	4	102	0.15	3.8	30.8	14.0	900	62	1.07	1.6	600
PUFDX-600	6	152	0.17	4.4	50.6	23.0	850	58	1.68	2.5	600

### FUELMAN EXTREME (Precalculated figures only)

 PART NO.	 Inner Diameter		 Wall Thickness		 Tensile Strength		 Burst Pressure		 Weight		 Max. L
	Inch	mm	Inch	mm	x1000 lbs	Tons	Psi	Bar	lbs./Ft	Kg/m	ft
PUFDS-400	4	102	0.17	4.2	178	80	2500	172	1.16	1.73	600
PUFDS-500	5	127	0.18	4.5	218	98	2500	172	1.64	2.45	600

NOTE: SAFETY BP/WP IS 2:1 (50%). FOR ALL NON-HAZARD AND/OR NON-FLAMMABLE LIQUIDS.

NOTE: Maximum working pressure is 25% of listed Burst pressure, i.e. SF 4:1. Ensure that the end coupling is designed for this working pressure. The Burst pressure listed is measured on a straight, free expanding hose according to ISO 1402. Tensile strength is calculated values. Operating Temperature range. -50 to +50 °C. Recommended operating pH range: 5 to 9.



## PETROLEUM/WATER HOSE

Oil & Gas Lay flat Hose

### Features:

Full diameter recovery after pressure release.  
Excellent hydrolysis and fungus resistance. Resistance to a wide range of chemicals.  
Temperature range -50 to 75 °C (pure water), Excellent UV, Ozone and weathering resistance.  
Leak proof tested section lengths up to 200 mts.

### Advantages:

Excellent hydrolysis and fungus resistance  
High diameter and extension stability.  
Resistance to a wide range of chemicals (Ref. chemical list), Temperature range -50 to 75 °C (pure water), Excellent UV and weathering resistance.  
Longer length (> 650feet) on request for diameter up to 6 inches.

### Design:

Thermoplastic polyether-based polyurethane (TPU)  
Extrusion through a circular woven jacket  
Excellent adhesion between cover and weave

### Technical data:

A durable lightweight hose for all-round use within mining, energy and agricultural sector.

Easy handling and a long lifetime makes it very cost effective. Available in lengths up to 800 m depending on diameter.

Typical application areas are dewatering of open pit mines, irrigation and bypass line for sewage or slurry.



PART NO.	Inner Diameter		Wall Thickness		Tensile Strength		Burst Pressure		Weight		Max. L ft
	Inch	mm	Inch	mm	x1000 lbs	Tons	Psi	Bar	lbs./Ft	Kg/m	
UTPH-250	2 ½	63	0.11	2.8	14.3	6.5	810	56	0.44	0.66	650
UTPH-300	3	76	0.11	2.8	17.4	7.9	780	54	0.54	0.84	650
UTPH-350	3 ½	90	0.11	2.9	20.0	9.1	620	43	0.66	0.98	650
UTPH-400	4	102	0,13	3.2	22.2	10.1	610	42	0.80	1.20	650
UTPH-450	4 ½	114	0,13	3.2	23.8	10.8	535	37	0.93	1.39	650
UTPH-500	5	127	0,13	3.2	26.4	12.0	505	35	1.02	1.52	650
UTPH-600	6	152	0,13	3.2	32.8	14.9	435	30	1.16	1.73	650
UTPH-700	7	178	0,13	3.2	37.6	17,1	390	27	1.37	2.05	200



NOTE: Safety BP/WP is 2:1 (50%). For all non-hazard and/or non-flammable liquids.



# PETROLEUM/WATER HOSE HVT

Oil & Gas Layflat Hose

## Features:

Full diameter recovery after pressure release.  
Excellent hydrolysis and fungus resistance. Resistant to a wide range of chemicals.  
Temperature range -50 to 75 °C (pure water), Excellent UV, Ozone and weathering resistance.  
Leak proof tested section lengths up to 200 mts.

## Advantages:

Excellent hydrolysis and fungus resistance.  
High diameter and extension stability.  
Resistance to a wide range of chemicals (Ref. chemical list).  
Excellent UV and weathering resistance.

## Design:

Thermoplastic polyether-based polyurethane (TPU)  
Extrusion through a circular woven jacket  
Excellent adhesion between cover and weave

## Technical data:

A durable lightweight hose for all-round use within mining, energy and agricultural sector.

Easy handling and a long lifetime make it very cost effective. Available in lengths up to 800 m depending on diameter.

Typical application areas are dewatering of open pit mines, irrigation and bypass line for sewage or slurry.

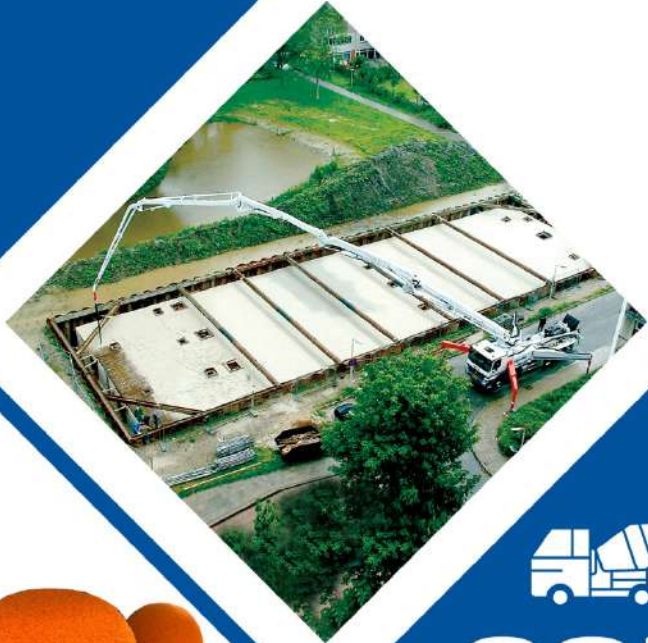


PART NO.	Inner Diameter		Wall Thickness		Tensile Strength		Burst Pressure		Weight		Max. L ft
	Inch	mm	Inch	mm	x1000 lbs	Tons	Psi	Bar	lbs./Ft	Kg/m	
UTPV-800	8	203	0.16	3.9	81.5	37	610	42	1.82	2.7	
UTPV-1000	10	254	0.16	4.0	101.0	46	520	36	2.35	3.5	
UTPV-1200	12	305	0.17	4.2	120.0	54.5	435	30	2.83	4.3	



NOTE: Safety BP/WP is 2:1 (50%). For all non-hazard and/or non-flammable liquids.





# CONCRETE HOSE

- Boom Placing Steel Wire Hose
- Grout & Plaster Hose
- Layflat TPU Concrete & Mortar Hose
- Cleaning Balls & Seals
- Elbow, Pipes & Spare Parts



EMAIL: [INFO@HYFORCEFP.COM.AU](mailto:INFO@HYFORCEFP.COM.AU)  
ADDRESS: 7 EXPLORER PLACE, HALLAM, VIC 3803  
WEB: [WWW.HYFORCEFP.COM.AU](http://WWW.HYFORCEFP.COM.AU)  
PHONE: +61 423 170 548

# CONCRETE HOSE

## Layflat TPU Concrete & Mortar Hose

**Application:**

Lay-flat boom tip hose ideal for ICF forms, columns and tall walls where space is at a minimum.

**Tube:**

Extruded thermoplastic polyether-based polyurethane (TPU).

**Reinforcement:**

Circular woven aramid fiber, “extra-strong yarn”

**Cover:**

Extruded TPU Yellow and orange cover, bonded to lining.

**Working Pressure:**

1233 PSI, 85 bar

**Nominal Burst Pressure:**

2466 PSI, 170 bar

**Temperature:**

-40°F/+158°F (-40°C /+70°C)

**Marking:**



**Standard Coupling**

Heavy duty Victaulic standard coupling



**Advantage:**

- 1/3 lighter than traditional Flexible boom hose
- Safer operations and excellent maneuverability
- Outstanding wearing resistance
- Custom various lengths
- Anti-whip properties

PART NO.	Inner Diameter		Wall Thickness		Tensile Strength		Weight		Max. L
	Inch	mm	Inch	mm	x1000 lbs.	Tons	lbs./Ft	Kg/m	feet
OPUC-400-1233-L	4	102	0.175	4.44	172	80	1.5	2.2	10,25,50
YPUC-500-1233-LL	5	127	0.175	4.44	183	85	1.65	2.45	10,25,50
OPUC-5-4-1233-LL	4	102	0.175	4.44	172	80	1.5	2.2	10,12,15,20,25



Reducer end 5"-4"

**Features:**

- Light weight
- Easy to operate in tight and narrow places
- More steady flow at lower placement rates
- Bright yellow color for safety and good visibility
- Excellent resistance in harsh weather
- Easy to clean



## CONCRETE HOSE PRE-ASSEMBLED

### Boom Placing Steel Wire Hose

#### Application:

Mandrel built steel wire reinforced concrete placement hose for concrete pumping. Available on standard and custom lengths, assembled with heavy duty and metric full flow Victaulic fittings at 62/64 HRC.

#### Tube:

High abrasion resistant conductive black rubber NBR.

#### Reinforcement:

High strength brass coated spiral steel wires.

#### Cover:

Weather, ozone, and abrasion resistant. Black SBR/EPDM rubber.

#### Working Pressure:

1233 PSI, 85 bar

#### Nominal Burst Pressure:

2466 PSI, 170 bar

#### Temperature:

-40°F/+158°F (-40°C /+70°C)

#### Marking:





PART NO.	Inner Diameter		Outside Diameter		Length		End Type
	Inch	mm	Inch	mm	FT		
CPSH-200-1233-LL-HD2	2	51	2.75	70	25'	50'	HD ends
CPSH-250-1233-LL-HD2	2 ½	63	3.46	88	10'	25'	HD ends
CPSH-300-1233-LL-HD2	3	76	4.0	102	10'	25'	HD ends
CPSH-400-1233-LL-HD2	4	102	5.04	128	10'		HD ends
CPSH-500-1233-LL-MT2	5	127	6.10	155	4', 5', 6', 8', 10', 13'		Metric

**\*\*Custom length assembly is available for all sizes\*\***



## CONCRETE HOSE

### Reducing Boom Hose

#### Application:

The hose engineered with a cone shape for enhanced control of flow, and easier concrete filling of forms and blocks.

#### Tube:

High abrasion resistant conductive black NBR rubber.

#### Reinforcement:

High strength brass coated spiral steel wires.

#### Cover:

Weather, ozone resistant, abrasion resistant, black SBR/EPDM rubber.

#### Working Pressure:

1233 PSI, 85 bar

#### Nominal Burst Pressure:

2466 PSI, 170 bar

#### Temperature:

-40°F/+158°F (-40°C /+70°C)

#### Marking:

 PARAGON



Steel reinforced reducing boom hose from 5" to 4" and 5" to 3"

PART NO.	ID Size Inch	End type	Weight	
			lbs.	Kg
CCSH-500-400-M-11.5'	5" to 4"	Metric Full Flow End	97	44
CCSH-500-300-M-11.5'	5" to 3"	Metric Full Flow End	93	42



## CONCRETE HOSE

Concrete Steel Wire Hose 1233 PSI

### Application:

Mandrel built steel wire reinforced concrete placement hose. Suitable for SCC (Self Compacting Concrete). Available on standard lengths, custom built lengths completed with swaged full flow Victaulic fittings, hardened at 62 / 64 HRC.

### Tube:

Black smooth conductive rubber, abrasion resistant.

### Reinforcement:

High strength brass coated spiral steel wires.

### Cover:

Black, smooth, conductive rubber, resistant to weather and abrasion. Fabric impression.

### Working Pressure:

1233 PSI, 85 bar

### Nominal Burst Pressure:

Safety factor 2:1

### Vacuum

23.94 in. Hg





### Temperature:

-40°F/+158°F (-40°C /+70°C)

### Marking:

 PARAGON



 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		No Wire Nr
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	
CPSH-200-1233	2	51	2.75"	70	1.7	2.53	4
CPSH-250-1233	2 ½	63	3.42"	87	2.6	3.87	4
CPSH-300-1233	3	76	3.97"	101	3.8	5.65	4
CPSH-400/1-1233	4	102	4.84"	123	4.6	6.84	4
CPSH-400/2-1233	4	102	5.03"	128	5.1	7.59	4
CPSH-500/1-1233	5	127	5.90"	150	5.8	8.63	4
CPSH-500/2-1233	5	127	6.10"	155	6.5	9.67	4



## Heavy Duty Gunite Hose

### Application:

This hose is used for transfer of sand and cement under pressure to the placement mixing gun nozzle. Recommended for all types of gunning applications.

### Tube:

Tan Pureten gum rubber or black Tufsyn rubber.

### Reinforcement:

Spiral-piled synthetic fabric.

### Cover:

Tan Plioflex synthetic rubber (wrapped impression).

### Working Pressure:

150 PSI, 10 bar

### Nominal Burst Pressure:






450 PSI, 30 bar

### Temperature:

-40°F/+180°F (-40°C /+82°C)

### Marking:




 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m
GTH-125	1 1/4	32	2.16	55	1.24	0.83	200/61
GTH-150	1 1/2	38	2.43	62	1.48	1	200/61
GTH-200	2	51	2.94	75	1.86	1.25	200/61

# CONCRETE HOSE

Concrete/Shotcrete & Plaster Fabric Hose

**Application:**

Mandrel built delivery hose for plaster, concrete, slurry, chalk and abrasive materials. Used on concrete machines for construction of tunnels and in public works.

**Tube:**

Black smooth conductive rubber, abrasion resistant.

**Reinforcement:**

High tensile textile plies.

**Cover:**

Black, smooth rubber, weather and abrasion resistant. Fabric impression.

**Working Pressure:**

1233 PSI, 85 bar

**Nominal Burst Pressure:**

2466 PSI, 170 bar

**Temperature:**

-40°F/+158°F (-40°C /+70°C)

**Marking:**





 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L	No plies
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m	Nr
GRH-100-1233	1	25	1.69	43	0.7	1.04	61/200	4
GRH-125-1233	1 ¼	32	1.87	48	0.9	1.34	61/200	4
GRH-150-1233	1 ½	38	2.32	59	1.1	1.64	61/200	4
GRH-200-1233	2	51	2.83	72	1.4	2.08	61/200	4
GRH-250-1233	2 ½	63	3.43	87	2.0	2.98	61/200	6
GRH-300-1233	3	76	3.97	101	2.7	4.02	61/200	6
GRH-400-1233	4	102	5.12	130	3.8	5.65	61/200	6
GRH-500-1233	5	127	6.15	156	4.8	7.1	30.5/100	6



## Cleanout Balls

Medium Cleanout Sponge Ball for all Pipes, Joints & Hoses



PART NO.	CBMO-200-60	CBMO-300-90	CBMO-400-125	CBMO-500-150	CBMO-600-175	CBMO-800-200	CBMO-900-230
Hose Size	2"	3"	4"	5"	6"	8"	9"
Sponge Ball Size (mm)	60	90	120	150	175	200	230



## Rubber Gasket

Metric Rubber Gasket for Swivel Boom Pipes



PART NO.	RSL-500 Fixed	RSL-500 Swivel
Size	5"	5"



## Rubber Gasket

HD Rubber Gasket



PART NO.	RSLH-200	RSLH-300	RSLH-400	RSLH-500
Size	2"	3"	4"	5"



## Placing Disc

24" Steel Placing Disc for Concrete Hose Joints



PART NO.	HDSK-2400
Size	24"



## HD Clamps Forged

Fixed & Adjustable HD Clamps



CECH-200 Fixed	CECH-250 Fixed	CXCH-300 Adjustable	CXCH-400 Adjustable	CXCH-500 Adjustable
2"	2 1/2"	3"	4"	5"

## Elbow Twin

90/R275 Twin Elbow



PART NO.	ELBT-500-90-275
Size	5"

## Elbow Cast

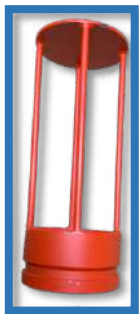
90/275 Cast Elbow



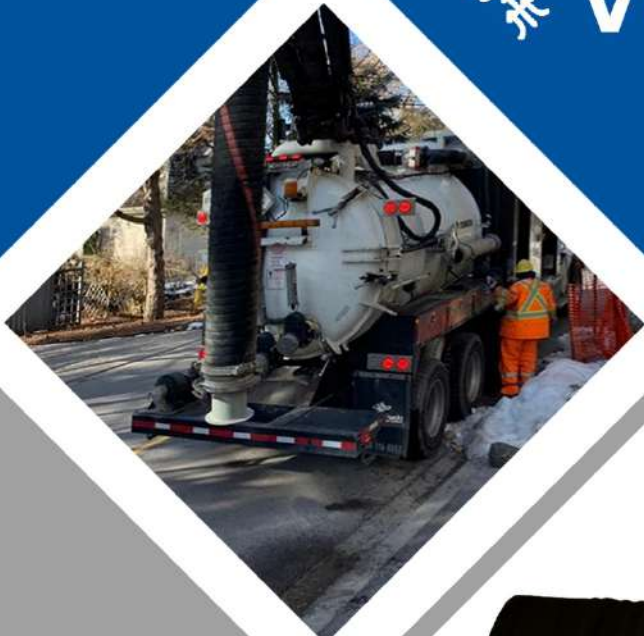
PART NO.	ELBC-500-90-275
Size	5"

## Devil Catcher

5" Devil Catcher



PART NO.	DCM-500
Size	5"



# VACUUM HOSE

**Industrial vacuum boom hose**  
**Debris collection boom and swiper hose**  
**Premium EPDM 300 suction hose**  
**Heavy duty abrasion resistance suction hose**



EMAIL: [INFO@HYFORCEFP.COM.AU](mailto:INFO@HYFORCEFP.COM.AU)  
ADDRESS: 7 EXPLORER PLACE, HALLAM, VIC 3803  
WEB: [WWW.HYFORCEFP.COM.AU](http://WWW.HYFORCEFP.COM.AU)  
PHONE: +61 423 170 548

# VACUUM ABRASION HOSE

## Industrial Vacuum Boom Hose

**Application:**

Heavy duty bulk material suction and discharge hose, with corrugated cover. Full vacuum for Vac-Truck boom applications, available with cuff ends.

**Tube:**

Red NR smooth rubber with 1/4" thick and high abrasion resistant.

**Reinforcement:**

High tensile textile plies, helix wire embedded, antistatic wire.

**Cover:**

Black, corrugated rubber, weather and abrasion resistant.

**Working pressure:**

150 PSI, 10 bar

**Nominal burst pressure:**

450 PSI, 30 bar

**Temperature:**








-40°F/+212°F (-40°C /+100°C)

**Marking:**





*Mandrel built bulk material suction and delivery hose suitable for abrasive materials, slurries, sand, plastic granulate and mobile drilling rigs with corrugated surface to reach maximum required flexibility*

 <b>PART NO.</b>	 <b>ID</b>		 <b>OD</b>		 <b>Vacc.</b>	 <b>Min. b. r.</b>	 <b>Weight</b>		 <b>Max. L</b>
	Inch	mm	Inch	mm	In. hg	Inch	lbs./ft	Kg/m	ft /m
IVRG-250-200	2	51	72	2.83	29	4	1	1.49	200/61
IVRG-250-250	2½	63	84	3.31	29	5	1.4	2.08	200/61
IVRG-250-300	3	76	98	3.86	29	6	1.8	2.68	200/61
IVRG-250-350	3½	90	111	4.37	29	7	2	2.98	200/61
IVRG-250-400	4	102	125	4.92	29	8	2.3	3.42	200/61
IVRG-250-500	5	127	151	5.94	29	10	3	4.46	100/30.5
IVRG-250-600	6	152	177	6.97	29	12	3.97	5.91	100/30.5
IVRG-250-800	8	203	233	9.17	29	16	6.63	9.87	100/30.5



# VACUUM ABRASION HOSE

## Debris Collection Boom and Swiper Hose

**Application:**

Heavy duty corrugated cover hose with both ends cuffed and full vacuum for boom applications.

**Tube:**

Red, yellow, tan and black smooth surface rubber  $\frac{3}{16}$  and  $\frac{1}{4}$  thick.

**Reinforcement:**

Twin helix steel wire and polyester fabric reinforcement.

**Cover:**

Corrugated black abrasion resistance *rubber*.

**Working pressure:**

150 PSI, 10 bar

**Nominal burst pressure:**

450 PSI, 30 bar

**Vacuum**

29 in. Hg

**Temperature:**

-40°F/+212°F (-40°C /+100°C)

**Marking:**

PARAGON



A double-helix spring-steel wire reinforcement encapsulated in a wrapped rubber and polyester yarn reinforcement built a flexible abrasion resistant hose for vacuum trucks.

 PART NO.	 ID		 OD		 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm		Inch	lbs./ft	
DB400-187-100	4	102	4.87	123.5	15	4.6	6.84	8.3/2.54
DB600-250-100	6	152	6.70	170	22	5.4	8.04	8.3/2.54
DB600-250-50	6	152	6.70	170.	22	5.4	8.04	4.16/1.27
DB600-250-120	6	152	6.70	170	22	5.4	8.04	10.00/3.0
DB800-250-25	8	203	8.80	223.5	30	7.9	11.76	2.08/0.63
DB800-250-32	8	203	8.80	223.5	30	7.9	11.76	2.66/0.81
DB800-250-36	8	203	8.80	223.5	30	7.9	11.76	3.00/0.91
DB800-250-54	8	203	8.80	223.5	30	7.9	11.76	4.50/1.37
DB800-250-57	8	203	8.80	223.5	30	7.9	11.76	4.75/1.45
DB800-250-60	8	203	8.80	223.5	30	7.9	11.76	5.00/1.52
DB800-250-62	8	203	8.80	223.5	30	7.9	11.76	5.16/1.50
DB800-250-66	8	203	8.80	223.5	30	7.9	11.76	5.50/1.60
DB800-250-102	8	203	8.80	223.5	30	7.9	11.76	8.50/2.60
DB800-250-127	8	203	8.80	223.5	30	7.9	11.76	10.58/3.22
DB1000-250-120	10	254	11.11	282	30	10.5	15.62	10.00/3.0
DB1200-250-120	12	304	13.50	343	30	12.5	18.60	10.00/3.0



# VACUUM ABRASION HOSE

## Premium EPDM 300 Suction Hose

**Application:**

Heavy duty EPDM liquid suction hose for industrial and agricultural water, cesspool cleaning, slurry and sludge handling, light chemical, dry material and marine use.

**Temperature:**

-40°F/+176°F (-40°C /+80°C)

**Tube:**

Black smooth EPDM rubber.

**Marking:**





**Reinforcement:**

High polymerization helix.

**Cover:**

Green corrugated helix.



PART NO. 	ID 		OD 		w.p. 	Vacc. 	Min. b. r. 	Weight 		Max. L 
	Inch	mm	Inch	mm	Psi	In.hg	Inch	lbs./FT	Kg/m	ft/m
PE300-100-LL	1	25	1.38	35	60	29.8	2	0.23	0.34	100/30
PE300-125-LL	1 ¼	32	1.62	41.1	60	29.8	3.3	0.34	0.50	100/30
PE300-150-LL	1 ½	38	1.93	49	60	29.8	3.3	0.40	0.59	100/30
PE300-200-LL	2	51	2.5	63.5	60	29.8	5.2	0.66	0.98	100/30
PE300-250-LL	2 ½	63	3.1	78.7	50	29.8	5.5	0.93	1.38	100/30
PE300-300-LL	3	76	3.55	90.1	44	29.8	7.1	1.11	1.65	100/30
PE300-400-LL	4	102	4.6	116.8	38	29.8	11.0	1.85	2.75	100/30
PE300-500-LL	5	127	5.75	146	28	28.0	16.5	2.15	3.19	100/30
PE300-600-LL	6	152	6.8	172.7	23	28.0	20	3.07	4.56	100/30

# VACUUM ABRASION HOSE

## Heavy Duty Abrasion Resistant Suction Hose BR180

**Application:**

Heavy duty abrasion hose for vacuum trucks used for suction of cement, sand, crushed rocks, gravels, grains and fertilizer.

**Temperature:**

-40°F/+140°F (-40°C /+60°C)

**Tube:**

Black smooth abrasion resistant SBR blended rubber with static carbon black.

**Marking:**

 PARAGON

**Reinforcement:**

Rigid PVC clockwise helix.

**Cover:**

Corrugated black SBR rubber with UV and abrasion resistant.



Light weight and flexible with extreme abrasion resistant.

PART NO.	ID		OD		w.p.	Vacc.	Min. b. r.	Weight		Max. L
	Inch	mm	Inch	mm	Psi	In.hg	Inch	lbs./FT	Kg/m	ft/m
BR180-200	2"	51	2.4	61	40	29.8	2.5	0.50	0.74	100/30
BR180-300	3"	76	3.5	89	35	29.8	3	1.10	1.64	100/30
BR180-400	4"	102	4.63	117	30	29.8	4	1.77	2.63	100/30
BR180-600	6"	152	6.8	173	30	28	8	3.08	4.58	100/30
BR180-800	8"	203	9.04	229	30	27	12	5.65	8.41	100/30
BR180-100	10	254	11.18	284	28	25	20	8.88	13.21	40/12



Hose assemblies are available with camlock or any other fittings.

# VACUUM ABRASION HOSE

## Premium Nitrile Discharge Hose

### Application:

Agriculture	Irrigation
Construction	Limited oil and chemical
Industrial wash-down	Water pump discharge
Mining and dewatering	Cable covering

### Temperature:

-20°F/+176°F (-29°C /+80°C)

### Marking:









### Tube and cover:

Black PVC/Nitrile material extruded in one stage.

### Reinforcement:

High tensile polyester yarn reinforcement.



 PART NO.	 Inner Diameter		 Wall Thickness		 Pressure	 Weight		 Max. L
	Inch	mm	Inch	mm	Psi in 60°F	lbs./FT	Kg/m	ft/m
BKFW-150-300-200	1½	38	0.07	1.8	300	0.20	0.30	200/61
BKFW-200-220-200	2	51	0.07	1.8	220	0.27	0.40	200/61
BKFW-250-200-200	2½	63	0.09	2.3	200	0.38	0.57	200/61
BKFW-300-175-200	3	76	0.09	2.3	175	0.48	0.71	200/61
BKFW-400-150-200	4	102	0.09	2.3	150	0.71	1.06	200/61
BKFW-600-150-200	6	152	0.12	3.0	150	1.08	1.61	200/61
BKFW-800-150-200	8	203	0.13	3.3	150	1.85	2.75	200/61
BKFW-1000-150-200	10	254	0.15	3.8	150	2.86	4.26	200/61

Longer length available on request.

# Vacuum Flexible & Heavy-duty PE Ducting hose

## Hose Protectors

Our Tiger Tail hose have been designed specifically to protect sewer cleaning jetting hoses. This product can significantly reduce wear and tear on the hose, which leads to a superior service life. A 20' heavy duty rope is provided with this product to help secure the hose while in use.

Product used for cleaning and suction of any kind of petroleum, cooking oil, chemical and light acid.

**Application:**

Suction of liquid in sanitary and sewer applications, also used in airport services. Oil and chemical suction pumps.

**Working pressure:**

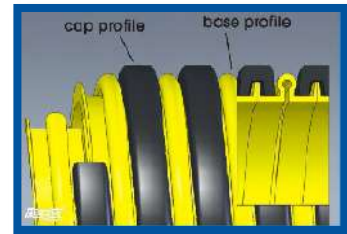
Vacuum 0.95 bar

**Temperature:**

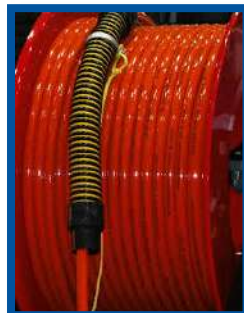
-40°F/+158°F (-40°C /+70°C)

**Material:**

Polyethylene, yellow-black. Special colors available upon request.



PART NO.	Inner Diameter		Outside Diameter		Weight		Max. L Ft/M
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	
TTYH-200-LL	2	51	3.0	76	0.64	0.95	65 / 20
TTYH-300-LL	3	76	3.78	96	0.95	1.40	65 / 20
TTYH-400-LL	4	102	4.8	122	1.22	1.80	65 / 20
Cuff end Tiger tail assemblies							
TTYH-200-3-CF	2	51	3.0	76	2.2	1.0	3' cuff ends
TTYH-300-3-CF	3	76	3.78	96	3.3	1.5	3' cuff ends







# HOT WATER HOSE

Washdown Hose  
With Swivel Fitting  
Steam Hose  
Pressure Washer Hose



## HOT WATER HOSE

### Super-Hot Water Washdown Hose

#### Application:

Mandrel built delivery hose suitable for hot water for cleaning services in the food industry. Compliance with FDA standards, free from *phthalates*.

#### Tube:

White smooth synthetic rubber, resistant to heat. Compliance with FDA standards.

#### Reinforcement:

High tensile textile plies.

#### Cover:

White, smooth rubber, resistant to abrasion, heat, traces of oil and weather condition. Fabric impression.

#### Working Pressure:

300 PSI, 20 bar

#### Nominal Burst Pressure:

900 PSI, 60 bar

#### Temperature:

-31°F/+320°F (-35°C /+160°C)

#### Marking:

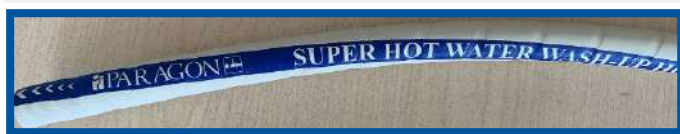




#### Swivel SS316 End With Crimp Ferrule



 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m
HWWU-050-300-200	1/2	13	0.90	23	0.255	0.38	200/61
HWWU-0625-300-200	5/8	16	1.02	26	0.295	0.44	200/61
HWWU-075-300-200	3/4	19	1.18	30	0.38	0.57	200/61
HWWU-100-300-200	1	25	1.41	38	0.53	0.79	200/61
HWWU-125-300-200	1¼	32	1.69	46	0.75	1.12	200/61
HWWU-150-300-200	1½	38	1.99	54	0.96	1.43	200/61
HWWU-200-300-200	2	51	2.24	68	1.38	2.05	200/61
HWWU-250-300-200	2½	63	2.56	81	1.73	2.58	200/61



# WASHDOWN SWIVEL FITTINGS

## Swivel Fitting and Ferrules for Super Hot Water Wash Down

### Features and Benefits:

- 360° swivel rotation prevents hose from kinking and allows for easy swiveling during wash down.  
Note: Swivel is not recommended for continuous turning applications.
- Both fitting and ferrule is SS316 material.
- 1/2", 5/8" and 3/4" hose size fittings are standard with 1/2" male NPT body.
- Swivel body and shank is sealed with Viton O-ring inside the body area, with round wire style snap ring in front of the body.
- Interlock pattern on shank will grip and seal the hose properly and it will allow for easy installation. Smooth and roundness end will help installation and prevent any damage to the hose.
- It is recommended to use both ends with swivel fitting for easier hose wrapping.

### Interlock Crimp Style:

- Interlock groove is designed with light duty ferrule to seal hose properly.
- Rated at 300 psi at 70°F and 126 psi at 200°F.
- Ferrule and shank lengths are matched together for a higher performance, and it is recommended to use both together.



PART NO.		Hose ID		Hose OD		Ferrule OD		Crimp OD		
Swivel Fitting	Ferrule	Inch	mm	Inch	mm	Inch	mm	Inch	Inch	mm
HWMX-050-NPT	FHSS-050	1/2	13	0.90	23	1.04	26.44	0.87	56/64	22.01
HWMX-0625-NPT	FHSS-0625	5/8	16	1.02	26	1.16	29.50	0.99	63/64	25.03
HWMX-075-NPT	FHSS-075	3/4	19	1.18	30	1.34	33.90	1.14	1" 9/64	28.90



## STEAM HOSE

Steam Wire Hose – EN ISO 6134 2A

### Application:

Suitable for conveying saturated steam and hot water.

### Feature:

Electrically conductive: Resistance R<106 Ohm.

### Tube:

EPDM, black, electrically conductive, smooth tube.

### Reinforcement:

Zinc plated steel braided.

### Cover:

EPDM, black, resistant to ozone and weather, electrically conductive, cloth impression.

### Temperature:

-31°F/+410°F (-35°C /+210°C)  
(Saturated steam)  
+120°C (hot water).

### Safety Factor

Steam 10: 1, Hot water 3,15: 1



### Standard/Approval:

EN ISO 6134:2017 Type 2, class A.

### Marking:

 PARAGON



PART NO. 	ID 		OD 		w. p. Saturn Steam 	w. p. Hot Water 	Min. b. r. 	Weight 		Max. L 
	Inch	mm	Inch	mm			Inch	lbs./ft	Kg/m	ft/m
SCHB-050-2	1/2	13	0.98	25	261	797	80	3.97	5.91	131/40
SCHB-0625-2	5/8	16	1.10	28	261	797	90	4.33	6.44	131/40
SCHB-075-2	3/4	19	1.22	31	261	797	110	5.06	7.53	131/40
SCHB-075-2	3/4	19	1.29	33	261	797	110	6.14	9.14	131/40
SCHB-100-2	1	25	1.57	40	261	797	180	7.95	11.83	131/40
SCHB-125-2	1 1/4	32	1.88	48	261	797	250	11.21	16.68	131/40
SCHB-150-2	1 1/2	38	2.12	54	261	797	300	13.01	19.36	131/40
SCHB-200-2	2	51	2.70	68.8	261	797	420	19.16	28.51	131/40

### Notice:

ATTENTION: Use only with suitable fittings (clamp fittings according to EN 14423:2016).

ATTENTION: Superheated steam shortens considerably the service life of the hose.

ATTENTION: Please refer to our saturated steam table.

Vacuum resistance up to ID 32: - 0.8 bar; up to ID 50: -0.4 bar

\* No EN ISO 6134:2017 dimension



## HOT WATER Steam Hose

### Application:

Mandrel built steam hose designed for use with saturated steam up to 210 °C / 18 bar and peaks of superheated steam up to 232 °C / 18 bar. Compliance with BS 5342 type 2A .

### Tube:

Black smooth rubber, heat and steam resistant. Specially developed to avoid cracking and hardening.

### Reinforcement:

High tensile spiral wire.

### Cover:

Red, smooth rubber, abrasion, ozone and weather resistant. Pin is pricked to evacuate gases. Fabric impression.

### Working Pressure:

270 PSI, 18 bar

### Nominal Burst Pressure:

2700 PSI, 180 bar






### Temperature:

-40°F/+450°F (-40°C /+232°C)

### Marking:

 PARAGON



 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m
SWR-075-270	3/4	19	1.22	31	0.49	0.73	200/61
SWR-100-270	1	25	1.45	37	0.61	0.91	200/61
SWR-125-270	1¼	32	1.81	46	0.89	1.33	200/61
SWR-150-270	1½	38	2.04	52	1.05	1.57	200/61
SWR-200-270	2	51	2.59	66	1.51	2.25	200/61
SWR-250-270	2½	63	3.18	81	2.27	3.38	200/61
SWR-300-270	3	76	3.77	96	3.06	4.56	200/61
SWR-400-270	4	102	4.88	124	4.70	6.99	200/61



## HOT WATER

### Steam Cleaner Hose

#### Application:

High performance steam hose for cleaner machines and pressure washers equipment.

#### Tube:

Black smooth rubber, heat and steam resistant. Specially developed to avoid cracking and hardening.

#### Reinforcement:

High tensile steel wire braided.

#### Cover:

Black, smooth finish cover, abrasion, heat, ozone, and weather resistant. Pin pricked to evacuate gases. Fabric impression.

#### Working Pressure/Temperature:

Steam:

350 PSI at 325°F for 3/8" & 1/2"

Safety factor: 10:1

Hot water:

3000psi at 250°F for 3/8"

2500psi at 250°F for 1/2"

Safety factor 4:1

#### Temperature:

Hot water:






-40°F/+250°F (-40°C /+121°C)

Steam:

-40°F/+325°F (-40°C /+163°C)

\* Not recommended for cold water.



 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m
SCHB-0375-350	3/8	9.5	0.69	17.5	0.23	0.34	200/61
SCHB-050-350	1/2	13	0.82	21	0.32	0.48	200/61

# **PRESSURE WASHER HOSE** 1 Wire And 2 Wire Pressure Washer Hose

**Application:**

Designed for high pressure cleaning applications. Oil, fuel, weather, ozone and abrasion resistant.

**Tube:**

Synthetic black rubber tube.

**Reinforcement:**

One or two high tensile steel wire compact braid reinforcement.

**Cover:**

Synthetic rubber black or gray outer cover.

**Temperature:**

-40°F/+212°F (-40°C /+100°C)

Max operating temp. +257°F (+125°C)

Air max+160°F (+70°C)

Operating temp. more than +212°F (+100°C) may reduce the life of the hose.

Ambient -40°F/+175°F (-40°C /+80°C)

**Marking:**

PARAGON

**As a Canadian manufacturer of high performance 1 & 2 wire pressure washer hose, we can accommodate any specific requirements you may desire.**



**1/4" 3/8" & 1/2" PROWASH I & II**

MEET OR EXCEEDS THE REQUIREMENT OF SAE J517 EN 857 1SC  
 MEET FLAME RESISTANCE AND DESIGNATION US MSHA IC-152/1

PART NO. 1 WIRE	ID		OD		W. P.	B. P.	Min. b. r.	Max. L
	Inch	mm	Inch	mm	Psi	Psi	Inch	ft/m
PWB1-025-50'	¼	6	0.48	12	5000	15000	2.0	25', 50', 75',100'
PWB1-0375-50'	¾	9.5	0.63	16	4000	12500	2.5	25', 50', 75',100'
PWB1-050-50'	½	12.5	0.75	19	3000	10000	3.5	25', 50', 75',100'

PART NO. 2 WIRE	ID		OD		W. P.	B. P.	Min. b. r.	Max. L
	Inch	mm	Inch	mm	Psi	Psi	Inch	ft/m
PWB2-025-50'	¼	6	0.48	12	7000	24000	2.0	25', 50', 75',100'
PWB2-0375-50'	¾	9.5	0.63	16	6000	18000	2.5	25', 50', 75',100'
PWB2-050-50'	½	12.5	0.75	19	4500	12500	3.5	25', 50', 75',100'

**Features:**

- Smaller OD, lower profile, takes up less space on reels
- High flexibility, superior flex impulse performance
- Less weight, easier to handle and routing
- Excellent bend radius
- Longer service life



# BULK MATERIAL ABRASION HOSE



EMAIL: [INFO@HYFORCEFP.COM.AU](mailto:INFO@HYFORCEFP.COM.AU)  
ADDRESS: 7 EXPLORER PLACE, HALLAM, VIC 3803  
WEB: [WWW.HYFORCEFP.COM.AU](http://WWW.HYFORCEFP.COM.AU)  
PHONE: +61 423 170 548



# BULK MATERIAL ABRASION HOSE

Material Handling Hose FDA

**Application:**

Mandrel built food hose for suction and delivery of high abrasion solid and dry food in granular or powder such as sugar, grain, cereal, corn, etc. Suitable for PVC pallets. with FDA approval.

**Tube:**

Tan or White FDA approved smooth rubber with high abrasion resistant.

**Reinforcement:**

High tensile textile plies embedded with helix wire and antistatic wire.

**Cover:**

Black or tan smooth conductive rubber, resistant to abrasion, weather, and ozone with fabric impression.

**Working Pressure:**

90 PSI, 6 bar

**Nominal Burst Pressure:**

270 PSI, 18 bar

**Temperature:**

-31°F/+180°F (-35°C /+82°C)

**Marking:**





PART NO.	ID		OD		Vacc.	Weight		Max. L
	Inch	mm	Inch	mm	In. hg	lbs./ft	Kg/m	ft /m
BMFG-150	1½	38	2.06	52.3	26.6	0.75	1.12	200/61
BMFG-150	2	51	2.60	66.0	26.6	0.97	1.44	200/61
BMFG-150	2½	63	3.10	78.7	26.6	1.52	2.26	200/61
BMFG-150	3	76	3.64	92.5	26.6	2.24	3.33	200/61
BMFG-150	3½	90	4.1	104.15	26.6	2.24	3.33	200/61
BMFG-150	4	102	4.67	118.6	23.6	2.48	3.69	200/61
BMFG-150	5	127	5.68	144.3	23.6	3.24	4.82	100/30.5
BMFG-150	6	152	6.70	170.2	23.6	4.24	6.31	100/30.5
BMFG-150	8	203	8.75	222.2	23.6	6.93	10.31	100/30.5





## BULK MATERIAL ABRASION HOSE

### Cement Discharge Hose

#### Application:

Mandrel built bulk material delivery hose suitable for abrasive materials such as cement, chalk and abrasive powders with small granulometry. Suitable for silo discharging and on tank trucks. Abrasion loss according to ISO 4649:2017 : 70 mm<sup>3</sup>.

#### Tube:

Black smooth rubber, resistant to abrasion.

#### Reinforcement:

High tensile textile plies.

#### Cover:

Black, smooth, weather and abrasion resistant rubber. Fabric impression.

#### Working Pressure:

300 PSI, 20 bar

#### Nominal Burst Pressure:

900 PSI, 60 bar






#### Temperature:

-40°F/+158°F (-40°C /+70°C)

#### Marking:

 PARAGON



 PART NO.	 ID		 Wall Thickness		 OD		 Weight		Tube	
	Inch	mm	Inch	mm	Inch	mm	lbs./ft	Kg/m	Inch	mm
<b>MCDH-400-300</b>	4	102	0.37	9.39	4.76	120	2.57	1.72	3/16	4.76



## BULK MATERIAL ABRASION HOSE

### Grout And Plaster Hose

**Application:**

Mandrel built delivery hose for plaster, concrete, slurry and abrasive materials with small granulometry. Suitable for plaster sprayers.

**Tube:**

Black smooth conductive rubber, abrasion resistant.

**Reinforcement:**

High tensile textile plies.

**Cover:**

Black, smooth rubber, weather and abrasion resistant.  
Fabric impression.

**Working Pressure:**

900 PSI, 60 bar

**Nominal Burst Pressure:**

1800 PSI, 120 bar

**Temperature:**

-40°F/+158°F (-40°C /+70°C)

**Marking:**

 PARAGON



 <b>PART NO.</b>	 <b>Inner Diameter</b>		 <b>Outside Diameter</b>		 <b>Weight</b>		 <b>Max. L</b>
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m
GRH-050-600	1/2	13	0.98	25	0.4	0.60	200/61
GRH-075-600	3/4	19	1.22	31	0.7	1.04	200/61
GRH-100-600	1	25	1.49	38	1.0	1.49	200/61
GRH-125-600	1 1/4	32	1.88	48	1.6	2.38	200/61
GRH-150-600	1 1/2	38	2.12	54	1.8	2.68	200/61
GRH-200-600	2	51	2.63	67	2.5	3.72	200/61
GRH-250-600	2 1/2	63	3.14	80	3.6	5.36	200/61
GRH-300-600	3	76	3.86	98	5.1	7.59	200/61
GRH-400-600	4	102	5.11	130	8.6	12.80	200/61

# BULK MATERIAL ABRASION HOSE

## Grout And Plaster Hose

**Application:**

Mandrel built delivery hose for plaster, concrete, slurry, chalk and abrasive materials. Used on concrete machines for construction of tunnels and in public works.

**Tube:**

Black smooth conductive rubber, abrasion resistant.

**Reinforcement:**

High tensile textile plies.

**Cover:**

Black, smooth rubber, weather and abrasion resistant. Fabric impression.

**Working Pressure:**

1233 PSI, 85 bar

**Nominal Burst Pressure:**

2466 PSI, 170 bar






**Temperature:**

-40°F/+158°F (-40°C /+70°C)

**Marking:**





 PART NO.	 Inner Diameter		 Outside Diameter		 Weight		 Max. L	No Wire
	Inch	mm	Inch	mm	lbs./Ft	Kg/m	ft/m	Nr
GRH-100-1233	1	25	1.69	43	0.7	1.04	61/200	4
GRH-125-1233	1 1/4	32	1.87	48	0.9	1.34	61/200	4
GRH-150-1233	1 1/2	38	2.32	59	1.1	1.64	61/200	4
GRH-200-1233	2	51	2.83	72	1.4	2.08	61/200	4
GRH-250-1233	2 1/2	63	3.43	87	2.0	2.98	61/200	6
GRH-300-1233	3	76	3.97	101	2.7	4.02	61/200	6
GRH-400-1233	4	102	5.12	130	3.8	5.65	61/200	6

# CHEMICAL HOSE

## UHMWPE Chemical S&D Hose



**HYFORCE**  
FLUID POWER

EMAIL: [INFO@HYFORCEFP.COM.AU](mailto:INFO@HYFORCEFP.COM.AU)  
ADDRESS: 7 EXPLORER PLACE, HALLAM, VIC 3803  
WEB: [WWW.HYFORCEFP.COM.AU](http://WWW.HYFORCEFP.COM.AU)  
PHONE: +61 423 170 548



## CHEMICAL HOSE

### UHMWPE CHEMICAL S&D HOSE

#### Application:

Chemical suction and delivery hose designed for acids-based liquid, ketones, aldehydes, esters, aromatic and aliphatic hydrocarbons (limited resistance to chlorinated hydrocarbons). Suitable for animal or vegetable food products and alcoholic drinks.

#### Tube:

UHMWPE, white, smooth, food quality and abrasion resistant. Compliance with FDA standards.

#### Reinforcement:

Synthetic plies, helix wire embedded and antistatic wire.

#### Cover:

Special blue or green rubber, abrasion, ozone and weather resistant. Corrugated with fabric finish surface.

#### Working pressure:

250 PSI, 17 bar

#### Nominal burst pressure:

1000 PSI, 69 bar

#### Temperature:

-31°F/+194°F (-35°C /+90°C).







Cleaning at +266°F (130°C) for max. 30 minutes.

#### Marking:

 PARAGON

Hose is resistance to a tensile stress of 880 lbs. with a diameter shrink of 3.5%.



 PART NO.	 ID		 Vacc.	 Min. B. R.	 Weight		 Max. L
	Inch	mm	In. Hg	Inch	lbs./ft	Kg/m	ft /m
CUCS-050-B/G	½	13	27	1.58	0.27	0.40	200/61
CUCS-075-B/G	¾	19	27	2.36	0.37	0.55	200/61
CUCS-100-B/G	1	25	27	2.95	0.46	0.68	200/61
CUCS-125-B/G	1¼	32	27	3.78	0.63	0.94	200/61
CUCS-150-B/G	1½	38	27	4.53	0.72	1.07	200/61
CUCS-200-B/G	2	51	27	6.02	0.93	1.39	200/61
CUCS-250-B/G	2½	63	27	7.08	1.39	2.07	100/30.5
CUCS-300-B/G	3	76	24	8.98	1.85	2.75	100/30.5
CUCS-400-B/G	4	102	24	16.14	2.93	4.36	100/30.5
CUCS-600-B/G	6	152	24	29.95	4.43	6.6	100/30.5
CUCS-800-B/G	8	203	24	41.50	6.20	9.2	100/30.5

# HEATER & COOLER HOSE

Silicone Heater Hose



# HEATER & COOLER HOSE

## Silicone Heater Hose

**Application:**

Heater hose for cars, trucks and buses.

**Tube:**

Heat resistant silicone, brick red.

**Reinforcement:**

4 layers, high temperature resistant plies.

**Cover:**

Blue heat and weather resistant silicone.



**Working Pressure:**

3:1 Of Burst Pressure

**Temperature:**

-65°F/+350 (-54°C /+177°C)

**Marking:**



**Feature:**

Extruded heavy-duty heater hose that meets or exceed SAEJ20 and class A specifications. This product is utilized as standard equipment on trucks, cars and buses. Since this silicone hose is extruded it can be offered in long lengths, which saves money by reducing scrap. These hoses are resistant to coolant solutions, cracking, ozone, cold leaks, peeling and aging.

PART NO. Dash size	ID		Wall thickness		Layers	Max W.P. Min B.P.		Packing	Max. L ft
	Inch	mm	Inch	mm		PSI	PSI		
SHHB-04	1/4	6	0.177	4.5	4	110	330	Coil	100
SHHB-05	5/16	8				110	330		100
SHHB-06	3/8	10				100	300		100
SHHB-08	1/2	13				100	300		100
SHHB-10	5/8	16				100	300		50
SHHB-12	¾	19				90	270		50
SHHB-16	1	25				90	270		50
SHHB-20	1 ¼	32	0.2	5		85	255	Straight Length	8
SHHB-24	1 ½	38				85	255		8
SHHB-28	1 ¾	45				75	225		8
SHHB-32	2	51				65	195		8
SHHB-36	2 ¼	57				55	165		8
SHHB-40	2 ½	63				45	135		8
SHHB-44	2 ¾	70				40	120		8
SHHB-48	3	76				30	30		8
SHHB-52	3 ½	89				25	75		8
SHHB-56	4	102	20	60	8				







# HYDRAULIC HOSE

SAE 100R13/DIN EN 856 Hydraulic Hose  
Leader Hose Eceed SAE100R16  
Super Artery Steel Wire Spiral Hose



## HYDRAULIC HOSE

Hydraulic Hose Exceeds SAE100R16

### Application:

This hose is designed for hydraulic system and high peak pressures.  
Meets flame resistance under MSHA standard.

### Tube:

Oil resistant synthetic rubber.

### Reinforcement:

Two braids of high tensile steel wire.

### Cover:

Black, synthetic rubber resistant to oils, abrasion and ozone.  
Smooth cover.

### Temperature:

-40°F/+212°F (-40°C /+100°C)

### Marking:

 PARAGON



PART NO.	ID		OD		Wire OD	W.P.	B.P.	Min. b. r.	Weight		Max. L
	Inch	mm	Inch	mm	mm	Psi	Psi	Inch	lbs./FT	Kg/m	ft/m
SLR16-04	1/4	6	0.51	13	11.3	5800	23200	1.96	0.17	0.25	200/61
SLR16-05	5/16	8	0.59	15	13.0	5075	20300	2.17	0.22	0.32	200/61
SLR16-06	3/8	10	0.66	17	15.1	4785	19140	2.56	0.26	0.39	200/61
SLR16-08	1/2	13	0.80	20.5	18.4	4250	17000	3.54	0.35	0.52	200/61
SLR16-10	5/8	16	0.94	24	21.9	3650	14600	3.93	0.47	0.70	200/61
SLR16-12	3/4	19	1.10	28	25.8	3200	12800	4.72	0.59	0.88	164/50
SLR16-16	1	25	1.39	35.5	32.8	2400	9600	5.91	0.78	1.16	164/50

## Hydraulic Hose

SAE 100R1AT/DIN EN 853 1SN Hydraulic Hose

### Recommended fluid:

Hydraulic system service with petroleum and water-based fluid mineral, vegetable and rape seed oils, poly glycol and glycol base oils.

### Tube:

Synthetic rubber oil resistant.

### Reinforcement:

One high tensile steel wire braid.

### Cover:

Synthetic rubber cover, oil, abrasion and whether resistant.

### Temperature:

-40°F/+212°F (-40°C /+100°C)

### Marking:

Transparent tape, red and white color printing.



PART NO.	ID		OD		Pressure				Min. B. R.		Weight	Max. L
	DN	Inch	Inch	mm	W.P.		B.P.		Inch	mm	lbs./FT	ft/m
					Bar	PSI	Bar	PSI				
HR1-3	5	3/16"	0.46	11.8	250	3630	1000	14520	3.54	90	0.11	330/100
HR1-4	6	1/4"	0.51	12.9	225	3265	900	13050	4.02	102	0.14	330/100
HR1-5	8	5/16"	0.58	14.7	215	3100	850	12300	4.49	114	0.16	330/100
HR1-6	10	3/8"	0.66	16.7	180	2600	720	10400	5.00	127	0.22	330/100
HR1-8	12	1/2"	0.78	19.9	160	2300	640	9250	7.01	178	0.28	330/100
HR1-10	16	5/8"	0.91	23.2	130	1885	520	7500	7.99	203	0.30	200/61
HR1-12	19	3/4"	1.07	27.1	105	1525	420	6050	9.49	241	0.39	200/61
HR1-16	25	1"	1.38	35.1	88	1275	350	5050	12.01	305	0.59	100/30
HR1-20	32	1 1/4"	1.67	42.5	63	915	250	3600	16.50	419	0.83	100/30
HR1-24	38	1 1/2"	1.97	50.1	50	725	200	2900	20.00	508	1.01	100/30
HR1-32	51	2"	2.52	64.1	40	580	160	2300	25.00	635	1.32	100/30

# Hydraulic Hose

SAE 100R2AT3/DIN EN 853 2SN Hydraulic Hose

**Recommended fluid:**

Hydraulic system service with petroleum and water-based fluid mineral, vegetable and rape seed oils, poly glycol and glycol base oils,

**Tube:**

Synthetic rubber oil resistant.

**Reinforcement:**

Two high tensile steel wire braid.

**Cover:**

Synthetic rubber cover oil, abrasion and whether resistant.








**Temperature:**

-40°F/+212°F (-40°C /+100°C)

**Marking:**

Transparent tape, Red and white color printing



PART NO. 	ID 		OD 		Pressure 				Min. B. R. 		Weight 	Max. L. 
	DN	Inch	Inch	mm	W.P.		B.P.		Inch	mm	lbs./FT	ft/m
					Bar	PSI	Bar	PSI				
HR2-4	6	1/4"	0.56	14.3	400	5800	1600	23200	4.02	102	0.24	330/100
HR2-5	8	5/16"	0.63	16.0	350	5050	1400	20300	4.49	114	0.30	330/100
HR2-6	10	3/8"	0.72	18.4	330	4750	1320	19100	5.00	127	0.36	330/100
HR2-8	12	1/2"	0.84	21.3	275	3950	1100	15950	7.01	178	0.46	330/100
HR2-10	16	5/8"	0.97	24.6	250	3600	1000	14500	7.99	203	0.54	330/100
HR2-12	19	3/4"	1.13	28.7	215	3100	850	12300	9.49	241	0.63	200/61
HR2-16	25	1"	1.46	37.1	165	2350	650	9400	12.01	305	0.91	200/61
HR2-20	32	1 1/4"	1.84	46.7	125	1800	500	7250	16.50	419	1.44	100/30
HR2-24	38	1 1/2"	2.14	54.5	90	1300	360	5200	20.00	508	1.78	100/30
HR2-32	51	2"	2.63	66.7	80	1150	320	4600	25.00	635	2.30	100/30

# HYDRAULIC HOSE

## Isobaric 5K Super Flexible Hydraulic Hose

**Features:**

Low bending radius; high pressure; long service life.

**Tube:**

CR/NBR synthetic rubber for hydraulic fluid.

**Reinforcement:**

Multi spiral high tensile super flexible steel wire, four plies  
> 500,000 impulses tested.

**Cover:**

Skiving-free black narrow cloth texture hose cover  
made of anti-aging synthetic rubber.

**Working Pressure:**

5076 PSI, 350 bar

**Nominal Burst Pressure:**

20305 PSI, 1400 bar

**Temperature:**

-40°F/+250°F (-40°C /+121°C)

**Marking:**

 PARAGON



**ISO 18752-CC 5000PSI**

PART NO.	ID		WD	OD	Pressure				Min. B. R.		Weight	Max. L
	inch	mm			W. P.		B. P.		Inch	mm		
					Bar	PSI	Bar	PSI				
ISB5K-06	3/8	10	18.7	21.9	350	5076	1400	20305	4	100	0.50	200/61
ISB5K-08	1/2	13	20.7	23.2	350	5076	1400	20305	5.5	140	0.60	200/61
ISB5K-10	5/8	16	24.8	27.6	350	5076	1400	20305	7	180	0.73	200/61
ISB5K-12	3/4	19	28.7	31.4	350	5076	1400	20305	7.8	200	0.96	200/61
ISB5K-16	1	25	35.7	38.6	350	5076	1400	20305	9.8	250	1.40	200/61
ISB5K-20	1 ¼	32	47.7	51.0	350	5076	1400	20305	15.7	400	2.55	200/61
ISB5K-24	1 ½	38	53.3	56.8	350	5076	1400	20305	18.8	480	3.02	200/61
ISB5K-32	2	51	67.3	70.8	350	5076	1400	20305	25.5	650	4.36	200/61

## HYDRAULIC HOSE

### Isobaric 6K Super Flexible Hydraulic Hose

**Features:**

Low bending radius; high pressure; long service life.

**Tube:**

CR/NBR synthetic rubber for hydraulic fluid.

**Reinforcement:**

Multi spiral high tensile super flexible steel wire, four plies > 500,000 impulses tested.

**Cover:**

Skiving-free black narrow cloth texture hose cover made of anti-aging synthetic rubber.

**Working Pressure:**

6091 PSI, 420 bar

**Nominal Burst Pressure:**

24366 PSI, 1680 bar

**Temperature:**

-40°F/+250°F (-40°C /+121°C)

**Marking:**

 PARAGON



**ISO 18752-CC 6000PSI**

PART NO.	ID		WD	OD	Pressure				Min. B. R.		Weight	Max. L
	inch	mm			W.P.		B.P.		Inch	mm		
					Bar	PSI	Bar	PSI				
ISB6K-06	3/8	10	18.7	21.9	420	6091	1680	24366	4	100	0.50	200/61
ISB6K-08	1/2	13	20.7	23.2	420	6091	1680	24366	5.5	140	0.60	200/61
ISB6K-10	5/8	16	24.8	27.6	420	6091	1680	24366	7	180	0.73	200/61
ISB6K-12	3/4	19	28.7	31.4	420	6091	1680	24366	7.8	200	0.96	200/61
ISB6K-16	1	25	35.7	38.6	420	6091	1680	24366	9.8	250	1.40	200/61
ISB6K-20	1 ¼	32	47.7	51.0	420	6091	1680	24366	15.7	400	2.55	200/61
ISB6K-24	1 ½	38	53.3	56.8	420	6091	1680	24366	18.8	480	3.02	200/61
ISB6K-32	2	51	67.3	70.8	420	6091	1680	24366	25.5	650	4.36	200/61

# HYDRAULIC HOSE

## Isobaric 4K Super Flexible Hydraulic Hose

**Features:**

Low bending radius; high pressure; long service life

**Tube:**

CR/NBR synthetic rubber for hydraulic fluid.

**Reinforcement:**

Multi spiral high tensile super flexible steel wire, four plies > 500,000 impulse cycles.

**Cover:**

Skiving-free black narrow cloth texture hose cover made of anti-aging synthetic rubber.

**Working Pressure:**

4061 PSI, 280 bar

**Nominal Burst Pressure:**

16244 PSI, 1120 bar

**Temperature:**

-40°F/+250°F (-40°C /+121°C)

**Marking:**

 PARAGON



**ISO 18752 4000PSI**

PART NO.	ID		WD OD		Pressure				Min. B. R.		Weight	Max. L
	inch	mm	mm	mm	W. P.		B. P.		Inch	mm	Kg/m	ft/m
					Bar	PSI	Bar	PSI				
ISB4K-06	3/8	10	17.8	21	280	4061	1120	16244	3.93	100	0.7	200/61
ISB4K-08	1/2	13	21.5	24.6	280	4061	1120	16244	5.51	140	0.83	200/61
ISB4K-10	5/8	16	25.4	28.2	280	4061	1120	16244	7.08	180	1.12	200/61
ISB4K-12	3/4	19	28.4	31.5	280	4061	1120	16244	7.87	200	1.43	200/61
ISB4K-16	1	25	35.7	39.2	280	4061	1120	16244	9.84	250	1.9	200/61

## Hydraulic Hose

### SAE 100R13/DIN EN 856 Hydraulic Hose

**Application:**

This hose is designed for hydraulic system and high peak pressures. Meet flame resistance under MSHA standard.

**Tube:**

High quality oil resistant synthetic rubber compound.

**Reinforcement:**

Up to 1" is 4 and from 1 1/4" is 6 spiral high tensile steel wires.

**Cover:**

Abrasion and weather resistant synthetic rubber.

**Working pressure:**

5,075 PSI

**Nominal burst pressure:**

20,300 PSI

**Temperature:**

-40°F/+212°F.

**Marking:**

 PARAGON



PART NO.	ID		Hose OD		Pressure				Min. B. R.		Weight	Max. L
	inch	mm	In	mm	W. P.		B. P.		Inch	mm	lbs./Ft	ft/m
					Bar	PSI	Bar	PSI				
HR13-12	3/4"	19	1.3"	33.2	350	5075	1400	20300	9.5	241	1.05	200/61
HR13-16	1"	25	1.56"	39.8	350	5075	1400	20300	11.8	300	1.29	200/61
HR13-20	1 1/4"	32	2.02"	51.3	350	5075	1400	20300	16.5	420	2.55	200/61
HR13-24	1 1/2"	38	2.31"	58.8	350	5075	1400	20300	19.7	500	3.2	200/61
HR13-32	2"	51	2.86"	72.7	350	5075	1400	20300	25.2	640	4.53	200/61



## HIGH TEMPERATURE HOSE

### R5 HT (SAE100 R5)

**Application:**

Medium pressure hydraulic lines, fuel oil, antifreeze solution, air and water. Specially designed for high temperature application.

**Tube:**

Oil resistant synthetic rubber.

**Reinforcement:**

One high tensile steel braid.

**Cover:**

Blue braided high tensile blue cord.

**Temperature:**

-40°F/+300°F (-40°C /+150°C)

**Air max T:**

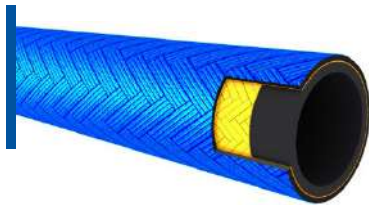
+185°F(+85°C) up to 5/8",  
+230°F(+110°C) over 3/4",








**Safety factor:**

1:4

**Marking:**

 PARAGON



 PART NO.	 ID		 OD		 pressure		 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	W.P. PSI	B.P. PSI	Inch	lbs./ft	Kg/m	ft/m
BR5-03	3/16	5	0.53	13.50	3000	12000	2.95	0.24	0.355	200/61
BR5-04	1/4	6.3	0.59	15.10	3000	12000	3.35	0.26	0.382	200/61
BR5-05	5/16	8	0.68	17.30	2270	9080	3.94	0.34	0.501	200/61
BR5-07	13/32	10.3	0.78	19.70	2000	8000	4.53	0.40	0.586	200/61
BR5-10	1/2	12.5	0.93	23.50	1760	7000	5.51	0.51	0.752	200/61
BR5-12	5/8	16	1.08	27.40	1530	6000	6.50	0.59	0.871	200/61
BR5-16	7/8	22	1.24	31.40	800	3250	7.28	0.48	0.706	200/61
BR5-20	1 1/8	29	1.48	37.60	625	2500	9.02	0.63	0.924	200/61
BR5-24	1 3/8	35	1.73	44.00	525	2000	10.43	0.71	1.055	200/61
BR5-32	1 13/16	46	2.22	56.40	350	1400	13.19	0.97	1.431	200/61

## HIGH TEMPERATURE HOSE

SEA100 R5-J1402 DOT All FM VSS 106

**Application:**

Medium pressure hydraulic lines, fuel oil, antifreeze solution, air and water.

**Tube:**

Oil resistant synthetic rubber.

**Reinforcement:**

One high tensile steel braid.

**Cover:**

Black braided high tensile textile cord.

**Temperature:**

-40°F/+212°F (-40°C /+100°C)

**Air max T:**

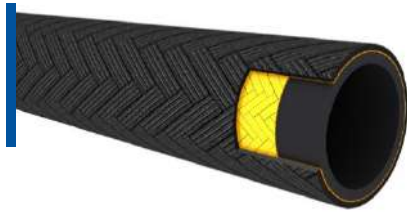
+160°F(+70°C)







**Safety factor:**

1:4

**Marking:**

 PARAGON



 PART NO.	 ID		 OD		 pressure		 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	W.P. PSI	B.P. PSI	Inch	lbs./ft	Kg/m	ft/m
BKR5-03	$\frac{3}{16}$	5	0.52	13.20	3000	12000	2.99	0.16	0.230	200/61
BKR5-04	$\frac{1}{4}$	6.3	0.58	14.80	3000	12000	3.39	0.19	0.270	200/61
BKR5-05	$\frac{5}{16}$	8	0.68	17.30	2250	9000	4.02	0.24	0.350	200/61
BKR5-07	$\frac{13}{32}$	10.3	0.77	19.50	2000	8000	4.61	0.28	0.404	200/61
BKR5-10	$\frac{1}{2}$	12.5	0.92	23.40	1750	7000	5.51	0.38	0.560	200/61
BKR5-12	$\frac{5}{8}$	16	1.08	27.40	1500	6000	6.50	0.46	0.670	200/61
BKR5-16	$\frac{7}{8}$	22	1.24	31.40	800	3200	7.36	0.47	0.690	200/61
BKR5-20	$1 \frac{1}{8}$	29	1.50	38.10	625	2500	9.02	0.58	0.850	200/61
BKR5-24	$1 \frac{3}{8}$	35	1.75	44.50	525	2000	10.51	0.72	1.060	200/61
BKR5-32	$1 \frac{13}{16}$	46	2.22	56.40	350	1400	13.27	0.91	1.350	200/61

# PETROLEUM HOSE

## BOP 3000psi

**Application:**

General application where flame resistance is required.  
Hydraulic BOP control line.

**Tube:**

Black oil resistant NBR.

**Reinforcement:**

Two high tensile steel wires braided.

**Cover:**

Thick red synthetic high temperature and flame-resistant rubber.

**Temperature:**

-40°F/+250°F (-40°C /+121°C)

**Safety factor:**

1:4

**Marking:**

 PARAGON



PART NO.	ID		OD		Pressure		Min. b. r.	Weight		Max. L
	Inch	mm	Inch	mm	W.P. PSI	B.P. PSI		Inch	lbs./ft	
FBOP-06-3000	3/8	10	1"	25.4	3000	12000	2.56	0.54	0.8	200/61
FBOP-08-3000	1/2	13	1.12	28.45	3000	12000	3.54	0.64	0.95	200/61
FBOP-12-3000	3/4	19	1.37	34.8	3000	12000	4.72	1.22	1.8	200/61
FBOP-16-3000	1	25	1.66	42.2	3000	12000	5.9	1.67	2.47	200/61



## PETROLEUM HOSE

### BOP 5000psi

**Application:**

General application where flame resistance is required.  
Hydraulic BOP control line.

**Tube:**

Oil resistant synthetic rubber.

**Reinforcement:**

Four high tensile steel wires spiral.

**Cover:**

Thick red synthetic high temperature and flame-resistant rubber.

**Temperature:**

-40°F/+250°F (-40°C /+121°C)

**Safety factor:**

1:4

**Marking:**





PART NO.	ID		OD		Pressure		Min. b. r.	Weight		Max. L
	Inch	mm	Inch	mm	W.P. PSI	B.P. PSI		Inch	lbs./ft	
FBOP-08-C	1/2	12.7	1.04	26.4	5000	20000	7.09	0.61	0.9	200/61
FBOP-12-C	3/4	19	1.31	33.2	5000	20000	11.02	1.15	1.7	200/61
FBOP-16-C	1	25	1.69	43	5000	20000	13.39	1.49	2.2	200/61
FBOP-24-C	1 1/2	38	2.4	61	5000	20000	18.11	3.31	4.9	100/30.5
FBOP-32-C	2	51	3.0	76.1	5000	20000	23.62	4.8	7.1	100/30.5

