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# GARDEN WATER HOSE

## PVC GARDEN HOSE

### Characteristic:

- high pressure resistance, no leakage
- Anti-abrasion, Anti-UV, long working life
- Non toxic, Without odor
- Light weight and flexible, easy to coil

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)

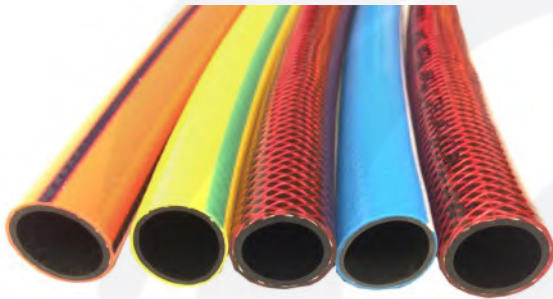
### Construction:

Tube and Cover: PVC

Reinforcement: high tensile polyester fibre.

### Application:

Being widely used for garden watering and car washing, household cleaning, in the parks, community, factories and families.



Item Code	I.D		O.D	L	W.P		B.P		kg	M <sup>3</sup>
	inch	mm	mm	m/roll	psi	bar	psi	bar	kg/roll	m <sup>3</sup>
HPGH-10	3/8"	10	14	50	116	8	348	24	5.05	0.016
HPGH-11	1/2"	11	15	15	116	8	348	24	1.64	0.008
HPGH-12A	1/2"	12	15.4	7.5	87	6	261	18	0.74	0.004
HPGH-12B	1/2"	12	15.4	15	87	6	261	18	1.47	0.006
HPGH-12C	1/2"	12	15.4	20	87	6	261	18	1.96	0.010
HPGH-12D	1/2"	12	15.4	22.5	87	6	261	18	2.21	0.009
HPGH-12E	1/2"	12	15.4	30	87	6	261	18	2.94	0.009
HPGH-12F	1/2"	12	16	50	102	7	304.5	21	5.9	0.022
HPGH-12G	1/2"	12	16	91	102	7	304.5	21	10.74	0.033
HPGH-12H	1/2"	12	16	100	102	7	304.5	21	11.8	0.033
HPGH-15A	5/8"	15	20	50	87	6	290	20	9.2	0.026
HPGH-15B	5/8"	15	19	25	87	6	290	20	3.58	0.017
HPGH-15C	5/8"	15	19	30	87	6	290	20	4.29	0.016
HPGH-16A	5/8"	16	21	10	73	5	261	18	1.95	0.008
HPGH-16B	5/8"	16	21	30	73	5	261	18	5.85	0.022
HPGH-16C	5/8"	16	21	50	73	5	261	18	9.75	0.032
HPGH-19	3/4"	19	23	20	73	5	217.5	15	3.54	0.018
HPGH-19B	3/4"	19	23	30	73	5	217.5	15	5.31	0.026
HPGH-19C	3/4"	19	23	50	73	5	217.5	15	8.85	0.045
HPGH-25	1"	25	30	50	44	3	130.5	9	14.45	0.060

## 4PLY/ 5PLY PVC GARDEN HOSE

4 layers knitted:



5 layers knitted:



### Construction:

Tube and cover:PVC

Reinforcement:1 or 2 ply high tensile polyester fibre

### Application:

PVC garden hose is widely used for garden watering and car washing,household cleaning, in the parks,community,factories and families.

### Characteristic:

- high pressure resistance, no leakage
- Anti-abrasion, Anti-UV, long working life
- Non toxic, Without odor
- Light weight and flexible, easy to coil

### Temperature:

-10°C (-50 °F) to 65°C (+150 °F)



Item Code	I.D		O.D	L	W.P		B.P		kg	M <sup>3</sup>
	inch	mm	mm	m/roll	psi	bar	psi	bar	kg/roll	m <sup>3</sup>
HPGH4-12	1/2"	13	17	50	150	10	450	30	6.6	0.022
HPGH4-16	5/8"	16	21	50	120	8	360	24	10.1	0.032
HPGH4-19	3/4"	19	24	50	120	8	360	24	11.8	0.045
HPGH4-25	1"	25	31	50	100	7	300	21	18.45	0.072



# GARDEN WATER HOSE

## PVC ANTI-TORSION KNITTED GARDEN HOSE

**Construction:**

Tube and Cover: PVC

Reinforcement: high tensile polyester knitted

**Application:** Being widely used for garden watering and car washing, household cleaning, in the parks, community, factories and families.

**Characteristic:**

- No torsion, Kink resistant
- high pressure resistance, no leakage
- Anti-abrasion, Anti-UV, long working life
- Non toxic, Without odor
- Light weight and flexible, easy to coil

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)



Item Code	I.D.		O.D.	L	W.P.		B.P.		kg	M <sup>3</sup>
	inch	mm	mm	m/roll	psi	bar	psi	bar	kg/roll	m <sup>3</sup> /roll
HGH-1216	1/2"	12	16	50	145	10	435	30	6.0	0.019
HGH-1217	1/2"	12	17	50	145	10	435	30	7.5	0.022
HGH-1620	5/8"	15	20	50	116	8	348	24	9.2	0.030
HGH-1621	5/8"	15	21	50	116	8	348	24	11.7	0.032
HGH-1924	3/4"	19	24	50	102	7	306	21	11.6	0.043
HGH-1925	3/4"	19	25	50	102	7	306	21	14.5	0.045
HGH-2530	1"	25	30	50	102	7	306	21	14.8	0.068
HGH-2531	1"	25	31	50	102	7	306	21	18.2	0.072

## SOAKER GARDEN HOSE

**Construction:**

blend of Natural rubber powder and PE

**Application:** The soaker garden hose is the efficient and economical method of watering. The soaker hose is porous and allows water out slowly, releases water over its whole length. Very easy to install and simple to use.

Requiring only a low water pressure to operate, this watering system can be installed on a temporary or permanent basis. Waters beds and borders without waste. This porous hose is ideal for establishing young plants and hedges.

**Characteristic:**

- Save time: no need to move sprinkler
- Save water, save money, environmental friendly
- Anti aging, long working life

**Temperature:** -10°C (-50°F) to + 60°C (+ 140°F)



Item Code	I.D.		O.D.	Flow	W.P.	L
	inch	mm	mm	litre/m/hour	bar	m/roll
HSOGH10	3/8"	10	14	3-5	1-2	15/25/50
HSOGH12	1/2"	12	16	3-5	1-2	15/25/50
HSOGH16	5/8"	16	21	3-5	1-2	15/25/50

## PACKAGING OPTIONS



ORT-101A



ORT-101B

### ORT101

With 4 Pcs hose nozzle set  
Heat shrink with colorful card packing  
with carton  
Size:1/2" 5/8" 3/4" Length:10M-30M



ORT-102A



ORT-102B

### ORT102

With 5 Pcs hose nozzle set  
Heat shrink with colorful card packing  
with carton  
Size:1/2" 5/8" 3/4" Length:10M-30M



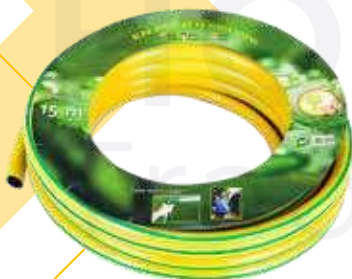
ORT-103A



ORT-103B

### ORT103

With brass coupling  
Heat shrink with colorful card packing  
with carton  
Size:1/2" 5/8" 3/4" Length:25FT-100FT



ORT-104A



ORT-104B

### ORT104

Without hose accessories  
Heat shrink with colorful card packing  
with carton  
Size:1/2" 5/8" 3/4" 1" Length:10M-50M

# GARDEN WATER HOSE

## HOSE NOZZLES & ACCESSORIES



ORT-101

**ORT101**  
4PC Hose Nozzle Set for 3/4" hose  
(68\*34\*55cm)



ORT-102

**ORT102**  
4PC Hose Nozzle Set for 1/2" hose  
(57\*34\*55cm)



ORT-103

**ORT103**  
5PC Hose Nozzle Set (54\*40\*42cm)



ORT-106

**ORT106**  
Hose Reel with Pre-attached Hose &  
Hose Nozzles Available in 10m-30m.



ORT-104

**ORT104**  
Garden Hose Fitting  
1/2", 5/8", 3/4", 1"



ORT-105

**ORT105**  
Garden Hose Fitting  
1/2", 5/8", 3/4", 1"



ORT-107

**ORT107**  
Garden Hose Fitting  
1/2", 5/8", 3/4", 1"



ORT-108

**ORT108**  
Garden Hose Fitting  
1/2", 5/8", 3/4", 1"



ORT-109

**ORT109**  
Garden Hose Metal Connector



ORT-110

**ORT110**  
Garden Hose Quick-release  
Hose-Nozzle Connector Orange



ORT-111

**ORT111**  
Garden Hose Quick-release  
Hose-Nozzle Connector Green



ORT-12

**ORT112**  
Garden Hose Quick-release  
Hose-Nozzle Connector Blue

# PVC REINFORCED HOSE

## PVC FIBRE REINFORCED HOSE



### Construction:

Tube and Cover: PVC

Reinforcement: high tensile polyester fibre

### Application:

Pvc fibre reinforced hose is used for conveying water, oil, gas under normal working condition in the factory, farm, ship, building and family. The hose used for foodstuffs is made of special food grade material, It can also

be used for conveying milk, beverage, distilled liquor, beer, jam and other foods, It can be used as pvc shower hose too.

### Characteristic:

- Flexible, transparent, durable, non-toxic, without odor
- Anti-erosion and anti-abrasion
- Adding colorful symbol lines on the surface of the hose

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)

Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m/roll	kg/roll	m <sup>3</sup> /roll
HPFH-06	1/4"	6	10	145	10	435	30	100	6.60	0.015
HPFH-08	5/16"	8	12	145	10	435	30	100	8.30	0.019
HPFH-09	3/8"	9	13	131	9	392	27	100	9.10	0.025
HPFH-10	13/32"	10	14	116	8	348	24	100	9.90	0.029
HPFH-12	1/2"	12	16	102	7	305	21	100	11.60	0.038
HPFH-13	1/2"	13	17	87	6	261	18	100	16.10	0.045
HPFH-14	35/64"	14	19	102	7	305	21	100	17.10	0.052
HPFH-15	5/8"	15	19	87	6	261	18	50	7.05	0.030
HPFH-16	5/8"	16	20	73	5	218	15	50	7.45	0.030
HPFH-18	45/64"	18	24	87	6	261	18	50	13.05	0.035
HPFH-19	3/4"	19	23	58	4	174	12	50	8.70	0.043
HPFH-20	25/32"	20	25	87	6	261	18	50	11.65	0.046
HPFH-22	7/8"	22	27	73	5	218	15	50	12.70	0.056
HPFH-25	1"	25	30	58	4	174	12	50	14.25	0.068
HPFH-32	1-1/4"	32	39	58	4	174	12	40	20.60	0.119
HPFH-38	1-1/2"	38	45	58	4	174	12	40	24.08	0.151
HPFH-45	1-3/4"	45	55	58	4	174	12	40	41.44	0.217
HPFH-50	2"	50	58	44	3	131	9	40	35.80	0.198
HPFH-64	2-1/2"	64	78	58	4	174	12	40	82.40	0.304
HPFH-75	3"	75	90	58	4	174	12	40	102.60	0.350



## PVC GAS HOSE

### Construction:

Tube: smooth PVC

Reinforcement: high tensile polyester or cotton braiding Cover:

Smooth or ribbed PVC cover, orange,black

**Applications:** PVC gas hose is widely used for conveying gas under low pressure, specially suitable for LPG stove in family.

### Characteristic:

- Anti-aging, weather resistant
- Light weight, flexible, non-kinking, easy to handle
- UV and ozone resistant, long working life

### Temperature:

-10°C (-50 °F) to + 60°C (+ 140°F)



Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m	kg/roll	m <sup>3</sup> /roll
HPGH-08	5/16	8.5	14	300	20	900	60	100	13.1	0.029
HPGH-10A	3/8	9	14	300	20	900	60	100	11.8	0.029
HPGH-10B	3/8	10	15	300	20	900	60	100	12.9	0.032

## PVC WASHDOWN HOSE

### Construction:

Tube: White PVC

Reinforcement: high tensile polyester fibre braiding Cover:

Smooth white PVC with blue stripe

**Application:** The pvc washdown hose is ideally suited to many cold washdown applications, especially on dairy farms.

### Characteristic:

- Flexible, Kink resistant, Easy to handle
- Non-toxic, without odor.
- Anti-abrasion, UV resistant
- Excellent flexibility under cold weather



Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m/roll	kg/roll	m <sup>3</sup> /roll
HPWDH-12	1/2"	12	18.5	150	10	450	30	100	22	0.059
HPWDH-19	3/4"	19	28	150	10	450	30	50	22.5	0.057
HPWDH-25	1"	25	33	150	10	450	30	50	25.5	0.094
HPWDH-32	1-1/4"	32	42	150	10	450	30	50	39	0.169
HPWDH-38	1-1/2"	38	50	150	10	450	30	50	48.5	0.227

## PVC FIRE HOSE

### Construction:

Tube: smooth PVC

Reinforcement: high tensile polyester fibre braiding

Cover: Smooth PVC cover, Red or black

**Applications:** PVC fire hose is widely used for fire fighting system as accessory of fire fighting reel.

### Characteristic:

- UV and ozone resistant, weather resistant
- Light weight,flexible,non-kinking,easy to handle
- Anti-aging,long working life
- Being produced under the European standard EN694

**Temperature:** -10°C (-50 °F )to + 60 °C (+ 140 °F)



Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m	kg/roll	m <sup>3</sup> /roll
HPFH-1920	3/4	19	25	225	15	8700	45	20	5.6	0.020
HPFH-1925	3/4	19	25	225	15	8700	45	25	7.0	0.025
HPFH-1930	3/4	19	25	225	15	8700	45	30	8.4	0.030
HPFH-2520	1	25	32	174	12	522	36	20	8.5	0.038
HPFH-2525	1	25	32	174	12	522	36	25	10.6	0.045
HPFH-2530	1	25	32	174	12	522	36	30	12.7	0.055
HPFH-3320	1-1/4	33	41.5	174	12	522	36	20	13.5	0.066
HPFH-3325	1-1/4	33	41.5	174	12	522	36	25	16.9	0.083
HPFH-3330	1-1/4	33	41.5	174	12	522	36	30	20.3	0.110

## PVC DRY POWDER HOSE

### Construction:

Tube: smooth PVC

Reinforcement: high tensile polyester fibre braiding

Cover: Smooth PVC cover, Red,black,yellow

**Applications:**PVC dry powder hose is widely used for fire fighting system, it convey dry chemical powder for fire extinguisher

### Characteristic:

- UV and ozone resistant, weather resistant
- Light weight,flexible,non-kinking,easy to handle
- Anti-aging,long working life
- Assembly with nozzle available

**Temperature:** -10°C (-50 °F )to + 60 °C (+ 140 °F)



Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m	kg/roll	m <sup>3</sup> /roll
HPDPH-0815	5/16"	8	15	300	20	900	60	100	0.168	0.032
HPDPH-1016	3/8"	10	16	300	20	900	60	100	0.169	0.040
HPDPH-1319	1/2"	13	19	300	20	900	60	100	0.201	0.052
HPDPH-1320	1/2"	13	20	300	20	900	60	100	0.250	0.058
HPDPH-1925	3/4"	19	25	300	20	900	60	50	0.272	0.045
HPDPH-1928	3/4"	19	28	300	20	900	60	50	0.468	0.057

## PVC MINING HOSE



### Construction:

Tube: PVC ,Black

Reinforcement: high tensile polyester fibre braiding

Cover: PVC ribbed cover, orange,blue,green.

**Application:**The pvc mining hose with fire retardant and self-extinguishing properties, is mainly used for air and water service in underground mining operations. It is designed to work in rugged mining conditions and conforms to

SANS1086/2007 specifications.

### Characteristic:

- Long lasting working life
- Light weight, Flexible, non-kinking
- Cut and abrasion resistant
- Oil resistant and non-absorbent
- Tested for high burst pressure

**Temperature:** -10°C (-50 °F )to + 60°C (+ 140°F)

### ORANGE, BLUE MINING HOSE ,STANDARD DUTY

Item Code	I.D		Wall Thickness	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m	kg/roll	m <sup>3</sup> /roll
HPMH-10	3/8	10	2.9	2465	17	9860	68	100	15.39	0.037
HPMH-12	1/2	12	3.3	2465	17	9860	68	100	20.77	0.060
HPMH-20	3/4	20	3.6	2175	15	8700	60	50	17.47	0.057
HPMH-25	1	25	4.1	2000	14	8000	56	50	24.54	0.089
HPMH-32	1-1/4	32	4.6	1450	10	5800	40	50	34.63	0.146
HPMH-50	2	50	6.8	1270	8.8	5080	35	50	79.44	0.357

### GREEN MINING HOSE, HEAVY DUTY

Item Code	I.D		Wall Thickness	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m	kg/roll	m <sup>3</sup> /roll
HPMHG-10	3/8	10	3.1	2465	17	9860	68	100	16.70	0.038
HPMHG-12	1/2	12	3.5	2465	17	9860	68	100	22.32	0.062
HPMHG-20	3/4	20	4.9	2175	15	8700	60	50	25.09	0.061
HPMHG-25	1	25	4.5	2000	14	8000	56	50	27.30	0.093
HPMHG-32	1-1/4	32	5.1	1450	10	5800	40	50	38.91	0.148
HPMHG-40	1-1/2	40	6.2	1270	8.8	5080	35	50	58.91	0.210
HPMHG-50	2	50	7.2	1270	8.8	5080	35	50	84.70	0.361

## PVC CLEAR HOSE

### Construction:

Tube and Cover: PVC

### Application:

PVC transparent hose is used for conveying water, oil, gas under normal working condition in factories, farm, ship, building and family.

### Characteristic:

- Flexible, light, transparent
- Food grade, non-toxic, without odor
- Anti-erosion and anti-abrasion
- Anti-aging, long working life

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)



Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m/roll	kg/roll	m <sup>3</sup> /roll
HPCH-06	1/4"	6	8	21.75	1.5	65.3	4.5	100	2.90	0.015
HPCH-08	5/16"	8	10	21.75	1.5	65.3	4.5	100	3.70	0.019
HPCH-10	3/8"	10	12	21.75	1.5	65.3	4.5	100	4.60	0.026
HPCH-12	1/2"	12	15	14.5	1.0	43.5	3.0	50	4.20	0.019
HPCH-15	5/8"	16	18	14.5	1.0	43.5	3.0	50	5.15	0.030
HPCH-19	3/4"	19	22	14.5	1.0	43.5	3.0	50	6.35	0.030
HPCH-25	1"	25	30	14.5	1.0	43.5	3.0	50	14.25	0.068
HPCH-32	1-1/4"	32	38	14.5	1.0	43.5	3.0	40	17.40	0.113
HPCH-38	1-1/2"	38	44	14.5	1.0	43.5	3.0	40	20.40	0.150
HPCH-50	2"	50	58	14.5	1.0	43.5	3.0	40	35.80	0.262

## PVC SHOWER HOSE

### Construction:

Tube and Cover: PVC

Reinforcement: high tensile polyester fibre

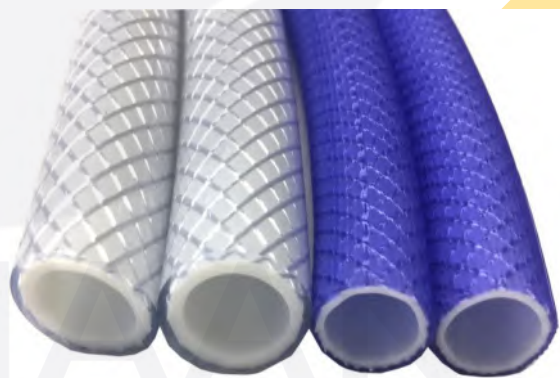
### Application:

PVC shower hose is used for accessory of shower, bathroom and sanitary ware in family use.

### Characteristic:

- Flexible, durable, non-toxic, without odor
- Can work under high pressure and temperature condition
- Anti-aging, long working life

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)



Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m/roll	kg/roll	m <sup>3</sup>
HPSH-08	9/32	7.5	12.5	150	10.0	750.0	50.0	100	10.20	0.022
HPSH-09	3/8"	9	14	150	10.0	750.0	50.0	100	11.60	0.029
HPSH-10	3/8"	9.5	15	150	10.0	750.0	50.0	100	13.60	0.032

## PVC HIGH PRESSURE WASHER HOSE

### Construction:

Tube and cover: Smooth PVC

Reinforcement: High tensile polyester fibre braiding

### Application:

PVC high pressure washer hose is widely used for household water cleaning, vehicle washing, washing in the parks, community, factories and so on.

### Characteristic:

- M22\*1.5 Metric male or Female Fitting on both ends
- Easy connection to washer gun
- Light weight, easy to handle
- High flexibility and anti-kinking
- High abrasion resistance
- Max working pressure 3000psi

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)



Item Code	I.D		O.D	W.P		B.P		L
	inch	mm	mm	bar	psi	bar	psi	ft
HPWH05	3/16"	5	9.8	200	3000	600	9000	25,50
HPWH06	1/4"	6	13	200	3000	600	9000	25,50
HPWH08	5/16"	8	15.3	200	3000	600	9000	25,50



OR-1



OR-2



OR-3



OR-4



OR-5



OR-6

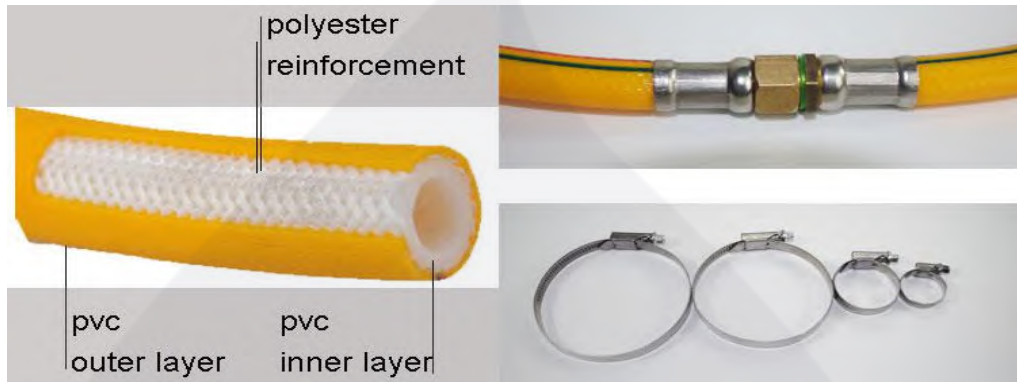


OR-7



OR-8

## PVC HIGH PRESSURE SPRAY HOSE



### Construction:

Tube: PVC

Reinforcement: 1 or 2 layers of high tensile strength polyester fibre

Cover: PVC, Anti-UV ,Anti-aging

### Application:

The hose is widely used in high pressure washer, air compressors and pneumatic tools. In agriculture, the high pressure pvc spray hose is used for spraying of pesticide, fungicide, fertilizer solution.

### Characteristic:

- Being made of tough PVC materials
- high tensile polyester braiding
- light weight, flexible, durable, anti-erosion
- Good flexibility and Non-kinking.

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)

### 3 layer high pressure spray hose

Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m/roll	kg/roll	m <sup>3</sup> /roll
HPSPH06A	1/4"	6.5	11.5	600	40	1800	120	100	9.89	0.015
HPSPH08A1	5/16"	8	13	600	40	1800	120	100	11.54	0.030
HPSPH08A2	5/16"	8	13.5	600	40	1800	120	100	13.00	0.031
HPSPH08A3	5/16"	8.5	13.5	600	40	1800	120	100	12.09	0.031
HPSPH08A4	5/16"	8	14	600	40	1800	120	100	14.51	0.032
HPSPH10A	3/8"	10	15	600	40	1800	120	100	13.74	0.035
HPSPH13A	1/2"	13	19	600	40	1800	120	100	21.10	0.038

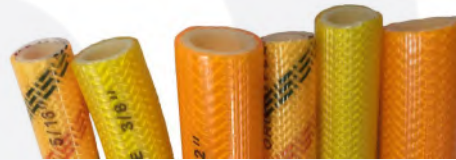
## PVC HIGH PRESSURE SPRAY HOSE

### 5 layer high pressure spray hose



Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m/roll	kg/roll	m <sup>3</sup> /roll
HPSPH06B	1/4"	6.5	12	900	60	2700	180	100	11.26	0.017
HPSPH08B1	5/16"	8	13.5	900	60	2700	180	100	13.09	0.032
HPSPH08B2	5/16"	8	14	900	60	2700	180	100	14.61	0.033
HPSPH08B3	5/16"	8.5	14	900	60	2700	180	100	13.70	0.033
HPSPH10B	3/8"	10	16	700	50	2100	150	100	17.27	0.040
HPSPH13B	1/2"	13	19	700	50	2100	150	100	21.25	0.052

### Fully Braided High Pressure Spray Hose



Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m/roll	kg/roll	m <sup>3</sup> /roll
HPSPH06C	1/4"	6.5	12	900	60	2700	180	100	11.00	0.015
HPSPH08C1	5/16"	8	13.5	900	60	2700	180	100	13.50	0.024
HPSPH08C2	5/16"	8	14	900	60	2700	180	100	13.50	0.028
HPSPH08C3	5/16"	8.5	14	900	60	2700	180	100	13.00	0.028
HPSPH10C	3/8"	10	16	900	60	2700	180	100	16.50	0.038
HPSPH13C	1/2"	13	19	900	60	2700	180	100	22.00	0.058



ORT-01



ORT-02



ORT-03



ORT-04



ORT-05



ORT-06



ORT-07



ORT-08



ORT-09



ORT-10

## HIGHLY DENSE COTTON BRAIDED PVC SPRAY HOSE/AIR HOSE

### Construction:

Tube: PVC, smooth

Reinforcement: high tensile cotton fibre braided Cover:  
PVC, smooth or ribbed

### Characteristic:

- Work under Max working pressure 60bar
- High adhesive strength between pvc and cotton fibre, no peeling
- Anti-abrasion and corrosion
- Light weight, flexible and Non kink.
- Anti-aging, anti UV, long working life, more than 5 years.








### Application:

The highly dense cotton braided hose is widely used in air compressor, high pressure washer and pneumatic tools, it is also used in civil construction and paint works, rock drilling machine, Jackhammer and so on. In agriculture, the high pressure pvc cotton braided spray hose is used for spraying of pesticide, fungicide, fertilizer solution.

### Temperature:

-10°C (-50 °F) to 65°C (+150 °F)



Item Code									
	mm	mm	psi	bar	psi	bar	M	kg/m	m³/roll
HCBSH06	6.5±0.3	12.5±0.3	900	60	3000	200	100	0.115	0.026
HCBSH08	8.0±0.3	14.5±0.3	900	60	3000	200	100	0.132	0.031
HCBSH10	10±0.3	16.5±0.3	900	60	3000	200	100	0.165	0.037
HCBSH10	13.0±0.5	20.0±0.5	600	40	2100	140	100	0.24	0.064
HCBSH16	16.0±0.5	24.0±0.5	600	40	2100	140	100	0.295	0.080
HCBSH19	19.0±0.5	29.0±0.5	600	40	1800	120	50	0.45	0.064
HCBSH25	25.0±0.7	35.0±0.7	600	40	1800	100	50	0.58	0.075





### Construction:

Tube and Cover: PVC, blue, orange, red.

Reinforcement: high tensile polyester braiding

### Application:

PVC layflat hose is designed for light and heavy duty applications, the hoses are most commonly used in agricultural equipment where continuous water flow through irrigation systems is required. Other applications include water pump, pool & spa, construction, mines and marine.

### Characteristic:

- Light weight, Good flexibility.
- Corrosion resistant, anti-aging.
- Easy handle & storage.
- Various colors available.
- Assemblies and/or customized lengths available.
- Non-toxic, Non-smell
- Burst pressure 3 times working pressure.

**Temperature:** -10°C (-50°F) to +60°C (+140°F)

### Specification (light duty)

Item Code	I.D		W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	psi	bar	psi	bar			
HPLHL20	3/4"	20	30-45	2-3	90-135	6-9	100	0.12	0.014
HPLHL25	1"	25	30-45	2-3	90-135	6-9	100	0.15	0.019
HPLHL32	1-1/4"	32	30-45	2-3	90-135	6-9	100	0.17	0.023
HPLHL38	1-1/2"	38	30-45	2-3	90-135	6-9	100	0.21	0.026
HPLHL51	2"	51	30-45	2-3	90-135	6-9	100	0.23	0.039
HPLHL64	2.5"	64	30-45	2-3	90-135	6-9	100	0.32	0.047
HPLHL76	3"	76	30-45	2-3	90-135	6-9	100	0.36	0.060
HPLHL102	4"	102	30-45	2-3	90-135	6-9	100	0.55	0.083
HPLHL125	5"	127	30-45	2-3	90-135	6-9	100	0.75	0.109
HPLHL153	6"	153	30-45	2-3	90-135	6-9	100	0.90	0.141
HPLHL203	8"	203	30-45	2-3	90-135	6-9	100	1.80	0.193

### Specification (standard duty)

Item Code	I.D		W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	psi	bar	psi	bar			
HPLHS20	3/4"	20	58	4	218	15	100	0.14	0.014
HPLHS25	1"	25	58	4	218	15	100	0.15	0.019
HPLHS32	1-1/4"	32	58	4	218	15	100	0.17	0.023
HPLHS38	1-1/2"	38	58	4	218	15	100	0.21	0.026
HPLHS40	1-1/2"	40	58	4	218	15	100	0.22	0.026
HPLHS51	2"	51	58	4	174	12	100	0.23	0.039
HPLHS64	2.5"	64	58	4	174	12	100	0.32	0.047
HPLHS76	3"	76	58	4	174	12	100	0.36	0.060
HPLHS102	4"	102	58	4	174	12	100	0.55	0.083
HPLHS125	5"	127	58	4	174	12	100	0.75	0.109

## PVC LAYFLAT HOSE

Item Code	I.D		W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	psi	bar	psi	bar	m/roll	kg/m	m <sup>3</sup> /roll
HPLHS153	6"	153	58	4	174	12	100	1.20	0.141
HPLHS203	8"	203	58	4	174	12	100	2.30	0.193
HPLHS254	10"	254	58	4	174	12	50	2.60	0.178
HPLHS305	12"	305	58	4	174	12	50	3.10	0.245

### Specification (Medium duty)

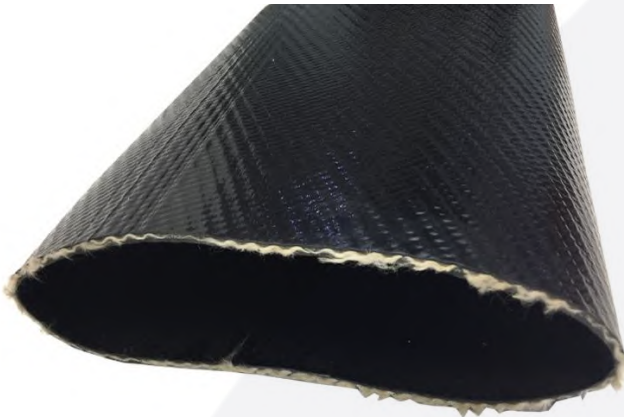
Item Code	I.D		W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	psi	bar	psi	bar	m/roll	kg/m	m <sup>3</sup> /roll
HPLHM19	3/4"	20	87	6	305	21	100	0.14	0.014
HPLHM25	1"	25	87	6	305	21	100	0.17	0.019
HPLHM32	1-1/4"	32	87	6	305	21	100	0.20	0.023
HPLHM38	1-1/2"	38	87	6	305	21	100	0.25	0.026
HPLHM40	1-1/2"	40	87	6	261	18	100	0.28	0.026
HPLHM51	2"	51	87	6	261	18	100	0.30	0.039
HPLHM64	2.5"	64	87	6	261	18	100	0.50	0.047
HPLHM76	3"	76	87	6	261	18	100	0.55	0.060
HPLHM102	4"	102	87	6	261	18	100	0.90	0.083
HPLHM125	5"	127	87	6	261	18	100	1.10	0.109
HPLHM153	6"	153	87	6	261	18	100	1.80	0.141
KPLHM203	8"	203	87	6	261	18	100	2.80	0.193

### Specification (Heavy duty)

Item Code	I.D		W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	psi	bar	psi	bar	m/roll	kg/m	m <sup>3</sup> /roll
HPLHH20	3/4"	20	145	10	435	30	50	0.15	0.007
HPLHH25-1	1"	25	116	8	348	24	50	0.17	0.010
HPLHH25-2	1"	25	145	10	435	30	50	0.20	0.010
HPLHH32-1	1-1/4"	32	116	8	348	24	50	0.19	0.012
HPLHH32-2	1-1/4"	32	145	10	435	30	50	0.21	0.012
HPLHH38-1	1-1/2"	38	116	8	348	24	50	0.24	0.013
HPLHH38-2	1-1/2"	38	145	10	435	30	50	0.29	0.013
HPLHH40-1	1-1/2"	40	116	8	348	24	50	0.25	0.013
HPLHH40-2	1-1/2"	40	145	10	435	30	50	0.30	0.013
HPLHH45-1	1-3/4"	45	116	8	348	24	50	0.32	0.018
HPLHH45-2	1-3/4"	45	145	10	435	30	50	0.35	0.018
HPLHH51-1	2"	51	116	8	348	24	50	0.35	0.020
HPLHH51-2	2"	51	145	10	435	30	50	0.42	0.020
HPLHH64-1	2.5"	64	116	8	348	24	50	0.55	0.024
HPLHH64-2	2.5"	64	145	10	435	30	50	0.70	0.024
HPLHH76-1	3"	76	116	8	348	24	50	0.66	0.030
HPLHH76-2	3"	76	145	10	435	30	50	0.85	0.030
HPLHH102	4"	102	116	8	348	24	50	1.00	0.042
HPLHH102	4"	102	145	10	435	30	50	1.20	0.042
HPLHH153	6"	153	116	8	348	24	50	2.20	0.071
HPLHH203	8"	203	116	8	348	24	50	2.80	0.010

# LAYFLAT HOSE

## TPU LAYFLAT HOSE



### Construction:

Inner and cover:TPU

Reinforcement: Woven Polyester jacket

### Application:

Fire-fighting, shipping, petroleum, Chemical industry, Agriculture, Mining

### Characteristic:

- High-resistance abrasion, oil resistance,
- Acid and alkali resistance, corrosion resistance,
- cold resistance, small flow resistance

**Temperature:** -55°C (-131 °F) to 80°C (+176 °F)



Item Code	I.D		Wall Thickness	W.P		B.P		kg	M <sup>3</sup>	L
	Inch	mm	mm	Mpa	PSI	Mpa	PSI	(kg/m)	m <sup>3</sup>	m
HTPU050	2	51	2.6	1.0	145	3	435	0.55	0.282	200
HTPU050	2	51	3.0	1.6	232	4.8	696	0.65	0.287	200
HTPU065	2 1/2	65	2.6	1.0	145	3.0	435	0.65	0.399	200
HTPU065	2 1/2	65	3.0	1.6	232	4.8	696	0.75	0.402	200
HTPU076	3	76	2.8	1.0	145	3.0	435	0.6	0.462	200
HTPU076	3	76	3.5	1.6	232	4.8	696	1.2	0.471	200
HTPU080	3 1/6	80	2.8	1.6	232	4.8	696	1.0	0.486	200
HTPU080	3 1/6	80	2.8	2.8	406	8.4	1218	1.3	0.486	200
HTPU102	4	102	3.2	1.0	145	3.0	435	1.2	0.690	200
HTPU102	4	102	3.5	1.2	145	3.6	435	1.4	0.693	200
HTPU102	4	102	4.4	1.6	232	4.8	696	1.45	0.713	200
HTPU102	4	102	4.6	2.0	290	6.0	870	1.5	0.794	200
HTPU102	4	102	4.8	2.8	406	8.4	1218	1.8	0.880	200
HTPU125	5	125	3.5	1.0	145	3.0	435	1.21	0.842	200
HTPU125	5	125	3.7	1.6	232	4.8	696	1.31	0.939	200
HTPU152	6	152	3.9	1.0	145	3.0	435	1.8	1.137	200
HTPU152	6	152	4.0	1.4	203	4.2	609	2.03	1.137	200
HTPU152	6	152	4.5	1.6	232	4.8	696	2.25	1.141	200

# LAYFLAT HOSE

## TPU LAYFLAT HOSE

Item Code	I.D		Wall Thickness	W.P		B.P		kg	M <sup>3</sup>	L
	Inch	mm	mm	Mpa	PSI	Mpa	PSI	(kg/m)	m <sup>3</sup>	m
HTPU152	6	152	4.7	2.0	290	6.0	870	2.44	1.144	200
HTPU152	6	152	5.5	2.5	362	7.5	1086	3.48	1.411	200
HTPU152	6	152	6.0	2.8	406	8.4	1218	3.48	1.420	200
HTPU200	8	200	3.6	0.8	116	2.4	348	3.0	1.444	200
HTPU200	8	200	3.6	1.0	145	3.0	435	3.0	1.444	200
HTPU200	8	200	3.8	1.2	174	3.6	522	3.2	1.480	200
HTPU200	8	200	3.8	1.4	203	4.2	609	3.2	1.469	200
HTPU200	8	200	4.5	1.6	232	4.8	696	3.2	1.480	200
HTPU200	8	200	4.5	2.0	290	6.0	870	4.2	1.480	200
HTPU250	10	250	4.6	1.0	145	3.0	435	4.1	2.032	200
HTPU250	10	250	4.6	1.2	174	3.6	522	4.1	2.032	200
HTPU250	10	250	4.7	1.4	203	4.2	609	4.3	2.036	200
HTPU250	10	250	5.5	1.6	232	4.8	696	6.0	2.478	200
HTPU300	12	300	4.5	0.8	116	2.4	348	5.0	2.424	200
HTPU300	12	300	4.5	1.0	145	3.0	435	5.0	2.424	200
HTPU300	12	300	5.5	1.2	174	3.6	522	6.2	2.952	200
HTPU300	12	300	5.8	1.4	203	4.2	609	6.4	2.957	200
HTPU350	14	350	5.0	0.8	116	2.4	348	5.0	3.422	200
HTPU350	14	350	5.3	1.0	145	3.0	435	6.2	3.436	200
HTPU400	16	400	5.5	0.8	116	2.4	348	7.0	3.906	200
HTPU400	16	400	5.8	1.0	145	2.4	348	8.5	3.920	200



## TPU DRAG HOSE



### Construction:

Tube: Thermoplastic polyurethane(TPU)  
 Cover: Thermoplastic polyurethane(TPU)  
 Reinforcement: High Strength Circular Woven Polyester Or Polyamide

### Application:

TPU drag hose is designed for distribution of slurry and manure as fertilizer, Delivery of water in self-propelled machines for irrigation

As for the superior abrasion resistant, the TPU drag hose is designed for distribution of slurry and manure as fertilizer, delivery of water in self-propelled machines for irrigation.

### Characteristic:

- Extra abrasion resistance, oil resistance,
- Acid and alkali resistance, corrosion resistance,
- Cold resistance, small flow resistance

- Low coil volume for easy handling
- Flexible in all weather conditions from -50 to +80 °C

**Accessories:** Germany type Storz, American Bolt on style, Victaulic, Camlock is Optional according to the requirement.

### Services:

- Standard color black, other colors on request
- Individual marking available
- Binding with international couplings available on request
- Other diameters on request
- Standard lengths 100 m and 200m

### Packing:

Generally the packing would be pallet or steel hose holder, Customized packing is also supported.

**Temperature:** -55°C (-131 °F) to 80°C (+176 °F)

Item Code	I.D.		W.P.	B.P.	L		kg		Tensile Strength	
	inch	mm	psi	psi	ft	m	lb/ft	kg/m	lbs	kg
HTDH064	2 1/2	65+2.0	300	900	660	200	0.53	0.8	16502	7500
HTDH076	3	76+2.0	250	750	660	200	0.65	0.98	18702	8500
HTDH089	3 1/2	90+2.0	200	600	660	200	0.8	1.2	26403	12000
HTDH102	4	102+2.5	180	540	660	200	0.93	1.4	28603	13000
HTDH115	4 1/2	114+2.5	180	540	660	200	1.03	1.55	35204	16000
HTDH127	5	127+2.5	160	480	660	200	1.03	1.7	38504	17500
HTDH150	6	152+2.5	160	480	660	200	1.33	2	53905	24500

# LAYFLAT HOSE

## RUBBER LAYFLAT DISCHARGE HOSE

### Construction:

Inner and cover: 1.Nitril synthetic rubber  
 2. TPR(thermoplastic rubber) Reinforcement: polyester woven jacket

### Application:

Rubber layflat discharge hose is designed for agriculture irrigation, watering and dewatering drainage and pump discharge, Industrail washdown, Limited oil and chemical application .

### Characteristic:

- Unique woven construction-Resists kinking stretching and twisting
- Ribbed cover-Provides high resistance to oil, weathering and abrasion
- Handling-Lighter,less bulky,stores in less space than most rubber discharge hoses

**Temperature:** -29°C (-20 °F) to 80°C (+176 °F)



Item Code	I.D.		W.P. bar	B.P. bar	kg kg/pcs	Size cm/pcs	Item Code	I.D.		W.P. bar	B.P. bar	kg kg/pcs	Size cm/pcs
	inch	mm						inch	mm				
HPNRD019-25	3/4"	19	25	75	5.5-6	53*53*7	HPNRD065-16	2-1/2"	65	16	48	19	56*56*13
HPNRD025-25	1"	25			7	53*53*7	HPNRD077-16	3"	77			23	58*58*15
HPMRD032-25	1-1/4"	32			9	53*53*8	HPNRD0100-16	4"	100			28	58*58*19
HPNRD038-25	1-1/2"	38			11	54*54*9	HPNRD032-13	1-1/4"	32			9	53*53*8
HPNRD045-25	1-3/4"	45			13	55*55*10	HPNRD038-13	1-1/2"	38			11	54*54*9
HPNRD051-25	2"	51			15	56*56*11	HPNRD051-13	2"	51			15	56*56*11
HPNRD065-25	2-1/2"	65			19.5	56*56*13	HPNRD065-13	2-1/2"	65			19	56*56*13
HPNRD070-25	2-3/4"	70			21	58*58*14	HPNRD077-13	3"	77			23	58*58*15
HPNRD077-25	3"	77			23.5	58*58*15	HPNRD100-13	4"	100			28	58*58*19
HPNRD019-20	3/4"	19			20	60	5.5-6	53*53*7	HPNRD125-13			5"	125
HPNRD025-20	1"	25	7	53*53*7			HPNRD150-13	6"	150	58	65*65*27		
HPNRD032-20	1-1/4"	32	9	53*53*8			HPNRD032-10	1-1/4"	32	9	53*53*8		
HPNRD038-20	1-1/2"	38	11	54*54*9			HPNRD038-10	1-1/2"	38	11	54*54*9		
HPNRD045-20	1-3/4"	45	13	55*55*10			HPNRD051-10	2"	51	15	56*56*11		
HPNRD051-20	2"	51	15	56*56*11			HPNRD065-10	2-1/2"	65	19	56*56*13		
HPNRD065-20	2-1/2"	65	19.5	56*56*13			HPNRD077-10	3"	77	23	58*58*15		
HPNRD070-20	2-3/4"	70	21	58*58*14			HPNRD100-10	4"	100	28	58*58*19		
HPNRD077-20	3"	77	23.5	58*58*15			HPNRD125-10	5"	125	48	60*60*23		
HPNRD100-20	4"	100	28.5	58*58*19			HPNRD150-10	6"	150	58	65*65*27		
HPNRD032-16	1-1/4"	32	16	48	9	53*53*8	HPNRD200-10	8"	200	10	30		
HPNRD038-16	1-1/2"	38			11	54*54*9	HPNRD250-10	10"	250	10	30		
HPNRD051-16	2"	51			15	56*56*11							



## RUBBER LAYFLAT COMPRESSED AIR HOSE



### Construction:

Inner and cover: 1.Nitril synthetic rubber  
2. TPR(thermoplastic rubber )

Reinforcement: polyester woven jacket

### Application:

Layflat compressed air hose is designed for air compressors, pneumatic tools, Rock drill,automated air line, air supply,

construction equipment and so on.

### Characteristic:

- Unique woven construction-Resists kinking stretching and twisting
- Resistance to oil contaminated air, weathering and abrasion
- Light weight and flexible,easy handling,easy to store

Item Code	L		W.P		B.P		L
	inch	mm	bar	psi	bar	psi	ft
HLAH019	3/4	19.1	27	400	81	1200	100/200
HLAH025	1	25.4	27	400	81	1200	100/200
HLAH038	1 1/2	38.1	20	300	60	900	100/200
HLAH051	2	50.8	14	200	42	600	100/200
HLAH076	3	76.2	14	200	42	600	100/200
HLAH102	4	101.6	14	200	42	600	100/200
HLAH152	6	152.4	14	200	42	600	100/200



## PE FIBRE REINFORCED LAYFLAT HOSE











### Application:

PE layflat hose is used for shallow root row crops (strawberries, tomatoes, broccoli, celery, tomatoes, vegetables, etc.); Deep-rooted row crops (watermelon, grape, cantaloupe, zucchini, pepper, etc.); Perennial planting crops (tobacco, asparagus, lily flower, papaya, banana, etc.); edible fungus, cotton, nursery, flowers, filed crops, desert afforestation; suitable for

greenhouse cultivation.

### Characteristic:

- Made of non-toxic and recyclable materials, polyethylene.
- Anti-crossing and anti-aging, shelf life for more than 10 years.
- High tensile strength and high impact resistance.
- Flexible and easy to carry and install in the filed, cost saving.
- Anti-ultraviolet radiation, prolong life.

Item Code	 I.D	 Wall Thickness	 W.P	 B.P	 L	 kg m	 kg roll	 Roll Dimension L
	mm	mm	bar	bar	m	g	kg	cm
HPFEH032	32	0.4	3	9	100	49	4.9	46*6*46
HPFEH040	40	0.4	3	9	100	57	5.7	46*7*46
HPFEH050	50	0.6	3	9	100	99	9.9	53*9*53
HPFEH063	63	0.4	2.5	7.5	100	82	8.2	46*11*46
HPFEH064	63	0.6	3	9	100	116	11.6	53*11*53
HPFEH075	75	0.4	2	6	100	94	9.4	46*13*46
HPFEH076	75	0.6	2.5	7.5	100	134	13.4	53*13*53
HPFEH090	90	0.4	2	6	100	111	11.1	46*15*46
HPFEH091	90	0.6	2.5	7.5	100	152	15.2	53*15*53
HPFEH100	100	0.75	2.5	7.5	100	208	20.8	59*17*59
HPFEH110	110	0.6	2	6	100	187	18.7	53*19*53
HPFEH152	152	0.75	1.5	4.5	100	296	29.6	59*25*59



## RUBBER LINING LAYFLAT FIRE HOSE

**Construction:**

Lining :synthetic rubber

Reinforcement cover:Polyester jacket

**Application:**

Rubber lining layflat fire hose is designed for Fire-fighting, Shipping, petroleum,Chemical industry, Agriculture, Mining. It is ideal choice for fire fighting hose.

**Features :**

- Light weight, ozone resistance
- Abrasion resistance
- Low-temperature resistance
- Oil resistance, Long service life.
- Working pressure:8bar,10bar,13bar,16bar,20bar,25bar


**Specification:**

Item code	I.D		W.P		B.P		L	Item code	I.D		W.P		B.P		L
	inch	mm	Bar	Mpa	Bar	Mpa			inch	mm	Bar	Mpa	Bar	Mpa	
HRLF025	1"	25	13-25	1.3-2.5	39-75	3.9-7.5	40	HRLF070	2-3/4"	70	8-25	0.8-2.5	24-75	2.4-7.5	40
HRLF032	1-1/4"	32	8-25	0.8-2.5	24-75	2.4-7.5	40	HRLF076	3"	76	8-25	0.8-2.5	24-75	2.4-7.5	40
HRLF038	1-1/2"	38	8-25	0.8-2.5	24-75	2.4-7.5	40	HRLF102	4"	102	8-16	0.8-1.6	24-48	2.4-4.8	40
HRLF045	1-3/4"	45	8-25	0.8-2.5	24-75	2.4-7.5	40	HRLF127	5"	127	8-13	0.8-1.3	24-39	2.4-3.9	40
HRLF051	2"	51	8-25	0.8-2.5	24-75	2.4-7.5	40	HRLF152	6"	152	8-13	0.8-1.3	24-39	2.4-3.9	40
HRLF064	2-1/2"	64	8-25	0.8-2.5	24-75	2.4-7.5	40								

## PVC LINING LAYFLAT FIRE HOSE

**Construction:**

Lining:PVC

Reinforcement Cover:Polyester jacket

**Application:**

PVC lining layflat fire hose is designed for Fire-fighting, Shipping, petroleum,Chemical industry, Agriculture, Mining. it is the best choice for fire fighting hose.

**Features :**

- Light weight, ozone resistance
- Abrasion resistance
- Oil resistance, Long service life.
- Working pressure:8bar,10bar,13bar,16bar,20bar,25bar


**Specification:**

Item code	I.D		W.P		B.P		L	Item code	I.D		W.P		B.P		L
	inch	mm	Bar	Mpa	Bar	Mpa			inch	mm	Bar	Mpa	Bar	Mpa	
HPLF025	1"	25	13-25	1.3-2.5	39-75	3.9-7.5	40	HPLF070	2-3/4"	70	8-25	0.8-2.5	24-75	2.4-7.5	40
HPLF032	1-1/4"	32	8-25	0.8-2.5	24-75	2.4-7.5	40	HPLF076	3"	76	8-25	0.8-2.5	24-75	2.4-7.5	40
HPLF038	1-1/2"	38	8-25	0.8-2.5	24-75	2.4-7.5	40	HPLF102	4"	102	8-16	0.8-1.6	24-48	2.4-4.8	40
HPLF045	1-3/4"	45	8-25	0.8-2.5	24-75	2.4-7.5	40	HPLF127	5"	127	8-13	0.8-1.3	24-39	2.4-3.9	40
HPLF051	2"	51	8-25	0.8-2.5	24-75	2.4-7.5	40	HPLF152	6"	152	8-13	0.8-1.3	24-39	2.4-3.9	40
HPLF064	2-1/2"	64	8-25	0.8-2.5	24-75	2.4-7.5	40								

# LAYFLAT HOSE

## PU LINING LAYFLAT FIRE HOSE

### Construction:

Lining :PU

Reinforcement cover:Polyester jacket

### Application:

PU lining layflat fire hose is designed for Fire-fighting, Shipping, petroleum,Chemical industry, Agriculture, Mining. It is ideal choice for fire fighting hose.

### Features :

- Light weight, ozone resistance
- Abrasion resistance
- Low-temperature resistance
- Oil resistance, Long service life
- Working pressure:8bar,10bar,13bar,16bar,20bar,25bar



### Specification:

Item code	I.D		W.P		B.P		L	Item code	I.D		W.P		B.P		L
	inch	mm	Bar	Mpa	Bar	Mpa			inch	mm	Bar	Mpa	Bar	Mpa	
HPULF025	1"	25	13-25	1.3-2.5	39-75	3.9-7.5	40	HPULF070	2-3/4"	70	8-25	0.8-2.5	24-75	2.4-7.5	40
HPULF032	1-1/4"	32	8-25	0.8-2.5	24-75	2.4-7.5	40	HPULF076	3"	76	8-25	0.8-2.5	24-75	2.4-7.5	40
HPULF038	1-1/2"	38	8-25	0.8-2.5	24-75	2.4-7.5	40	HPULF102	4"	102	8-16	0.8-1.6	24-48	2.4-4.8	40
HPULF045	1-3/4"	45	8-25	0.8-2.5	24-75	2.4-7.5	40	HPULF127	5"	127	8-13	0.8-1.3	24-39	2.4-3.9	40
HPULF051	2"	51	8-25	0.8-2.5	24-75	2.4-7.5	40	HPULF152	6"	152	8-13	0.8-1.3	24-39	2.4-3.9	40
HPULF064	2-1/2"	64	8-25	0.8-2.5	24-75	2.4-7.5	40								

## DOUBLE JACKET LAYFLAT FIRE HOSE

### Construction:

Lining:PVC,PU,Rubber lining

Reinforcement Cover:Double Polyester jacket

### Application:

Double jacket layflat fire hose is designed for Fire-fighting, Shipping, petroleum,Chemical industry, Agriculture, Mining. it is the best choice for fire fighting hose.

### Features :

- High pressure resistance
- High Abrasion resistance
- Low-temperature resistance
- Ozone resistance, Long service life
- Working pressure:10bar,13bar,16bar,20bar,25bar



### Specification:

Item code	I.D		W.P		B.P		L	Item code	I.D		W.P		B.P		L
	inch	mm	Bar	Mpa	Bar	Mpa			inch	mm	Bar	Mpa	Bar	Mpa	
HDJLF025	1"	25	10-25	1.0-2.5	30-75	3.0-7.5	40	HDJLF070	2-3/4"	70	10-25	1.0-2.5	30-75	3.0-7.5	40
HDJLF032	1-1/4"	32	10-25	1.0-2.5	30-75	3.0-7.5	40	HDJLF076	3"	76	10-25	1.0-2.5	30-75	3.0-7.5	40
HDJLF038	1-1/2"	38	10-25	1.0-2.5	30-75	3.0-7.5	40	HDJLF102	4"	102	10-25	1.0-2.5	30-75	3.0-7.5	40
HDJLF045	1-3/4"	45	10-25	1.0-2.5	30-75	3.0-7.5	40	HDJLF127	5"	127	10-25	1.0-2.5	30-75	3.0-7.5	40
HDJLF051	2"	51	10-25	1.0-2.5	30-75	3.0-7.5	40	HDJLF152	6"	152	10-25	1.0-2.5	30-75	3.0-7.5	40
HDJLF064	2-1/2"	64	10-25	1.0-2.5	30-75	3.0-7.5	40								

## PVC STEEL WIRE SPRING HOSE

### Construction:

Tube and cover: transparent PVC

Reinforcement: steel wire spiral

### Application:

The PVC steel wire spring hose is widely used for suction and discharge of water, oil and powdery articles in the industries, agriculture, engineering, foodstuffs and sanitation lines, the hose used for foodstuffs is made of special food grade pvc. It is non-toxic, light, without odor and transparent.

The food grade PVC steel wire spring hose can be used for conveying milk, beverage, distilled liquor, beer, jam and other foods.

We can also insert the cooper wire into hose. This hose can avoid the block of the flowing in the hose due to static, and protect users from getting electric shock or electric current impingement.

### Characteristics:

- Light weight, flexible with small bending radius.
- Durable against the external impact, chemical and climate
- Transparent, easy to check the contents.
- Anti-UV, anti-aging, long working life









### Temperature :

-10°C (-50 °F ) to 65°C (+150 °F)

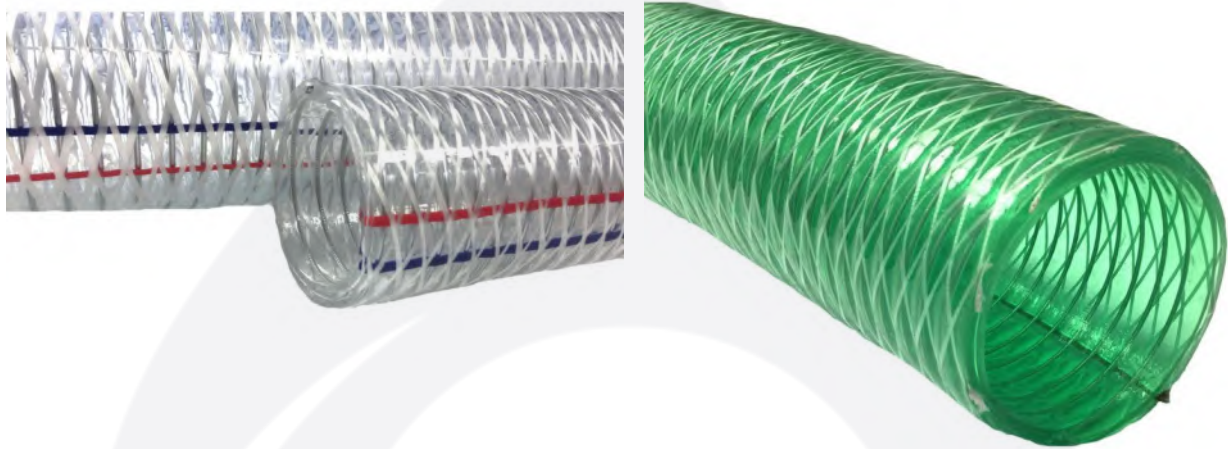


Item Code	I.D		O.D	VACUUM		W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	psi	bar	m/roll	kg/roll	m <sup>3</sup>
HPSWH-06	1/4"	6	11	-15	-1	160	11	479	33	100	10.00	0.028
HPSWH-08	5/16"	8	14	-15	-1	160	11	479	33	100	15.50	0.039
HPSWH-10	3/8"	9	14	-15	-1	145	10	435	30	100	13.50	0.027
		10	15	-15	-1	145	10	435	30	100	14.70	0.041
		9	15	-15	-1	160	11	479	33	100	17.00	0.029
HPSWH-12	1/2"	10	16	-15	-1	160	11	479	33	100	18.40	0.045
		12	17	-15	-1	131	9	435	30	100	17.10	0.044
		12	18	-15	-1	145	10	435	30	100	21.20	0.049
HPSWH-16	5/8"	15	22	-15	-1	145	10	435	30	100	30.50	0.074
		15	21	-15	-1	131	9	435	30	100	25.40	0.074
		16	20	-15	-1	116	8	290	20	100	17.00	0.061
HPSWH-20	3/4"	16	23	-15	-1	131	9	435	30	100	32.10	0.063
		19	26	-15	-1	145	10	435	30	50	18.55	0.052
		19	25.5	-15	-1	116	8	290	20	50	17.05	0.050
HPSWH-22	7/8"	20	26	-15	-1	116	8	290	20	50	16.25	0.050
		20	24.5	-15	-1	116	8	290	20	50	11.80	0.050
		22	30	-15	-1	116	8	290	20	50	24.50	0.065
HPSWH-25	1"	22	27	-15	-1	116	8	290	20	50	14.40	0.058
		25	33	-15	-1	145	10	363	25	50	27.30	0.085
		25	29	-15	-1	102	7	290	20	50	12.70	0.065
		25	30	-15	-1	102	7	290	20	50	16.20	0.069
		25	32	-15	-1	102	7	290	20	50	23.50	0.078

## PVC STEEL WIRE SPRING HOSE

Item Code	 I.D.		 O.D.		 VACUUM		 W.P.		 B.P.		 L	 kg	 M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	psi	bar	m/roll	kg/roll	m <sup>3</sup>	
HPSWH-32	1-1/4"	32	41	-15	-1	102	7	290	20	40	30.96	0.106	
		32	36	-15	-1	73	5	276	19	50	16.00	0.124	
		32	38.6	-15	-1	73	5	276	19	50	27.45	0.133	
		32	41	-15	-1	87	6	290	20	50	38.70	0.152	
		32	41.6	-15	-1	87	6	290	20	50	44.10	0.130	
HPSWH-38	1-1/2"	38	48	-15	-1	87	6	261	18	40	40.52	0.154	
		38	42.8	-15	-1	73	5	232	16	50	22.85	0.154	
		38	44	-15	-1	73	5	232	16	50	28.95	0.161	
		38	44.6	-15	-1	73	5	232	16	50	32.10	0.169	
		38	45.5	-15	-1	87	6	261	18	50	36.85	0.173	
		38	46.4	-15	-1	87	6	261	18	50	41.75	0.184	
HPSWH-45	1-3/4"	45	56	-15	-1	87	6	247	17	40	52.32	0.190	
		45	50	-15	-1	73	5	232	16	50	27.95	0.198	
		45	52	-15	-1	73	5	232	16	50	40.00	0.211	
		45	53	-15	-1	73	5	232	16	50	46.15	0.229	
HPSWH-48	1-7/8"	48	59	-15	-1	73	5	232	16	40	59.12	0.208	
		48	54.6	-15	-1	73	5	218	15	50	42.55	0.234	
		48	56.4	-15	-1	73	5	218	15	50	55.05	0.262	
		48	58	-15	-1	73	5	218	15	50	66.55	0.267	
HPSWH-50	2"	50	62	-15	-1	73	5	232	16	40	67.52	0.276	
		50	55.6	-15	-1	73	5	145	10	50	37.15	0.258	
		50	57.2	-15	-1	73	5	203	14	50	48.45	0.268	
		50	58.2	-15	-1	73	5	203	14	50	55.70	0.273	
		50	60	-15	-1	73	5	218	15	50	69.10	0.289	
HPSWH-58	2-5/16"	58	70	-15	-1	73	5	218	15	40	72.36	0.350	
HPSWH-64	2-1/2"	63	80	-15	-1	73	5	203	14	30	94.47	0.330	
		64	72.3	-15	-1	58	4	145	10	40	58.60	0.351	
		64	75	-15	-1	58	4	145	10	40	79.20	0.370	
		64	76	-15	-1	58	4	145	10	40	87.04	0.370	
		64	77	-15	-1	58	4	145	10	40	94.96	0.389	
HPSWH-75	3"	75	91	-15	-1	73	5	189	13	30	103.20	0.436	
		75	84	-15	-1	58	4	145	10	40	74.16	0.504	
		75	85	-15	-1	58	4	145	10	40	82.88	0.504	
		75	87	-15	-1	58	4	145	10	40	100.72	0.681	
		75	89	-15	-1	58	4	145	10	40	118.96	0.715	
HPSWH-90	3-1/2"	90	108	-15	-1	58	4	174	12	20	95.12	0.640	
HPSWH-100	4"	100	118	-15	-1	44	3	145	10	20	104.74	0.505	
		102	112	-15	-1	44	3	145	10	30	175.68	0.667	
		102	114	-15	-1	44	3	145	10	30	103.77	0.676	
		102	115	-15	-1	44	3	145	10	30	112.95	0.706	
		102	118	-15	-1	44	3	145	10	30	140.91	0.716	
HPSWH-110	4-3/8"	110	123	-15	-1	44	3	145	10	20	80.84	0.810	
HPSWH-114	4-1/2"	114	126	-15	-1	44	3	145	10	20	90.45	0.905	
HPSWH-117	4-5/8"	117	133	-15	-1	44	3	145	10	20	109.90	1.024	
HPSWH-127	5"	127	143	-15	-1	44	3	145	10	20	118.70	1.243	
HPSWH-140	5-1/2"	140	156	-15	-1	44	3	145	10	10	65.06	0.627	
HPSWH-152	6"	152	170	-15	-1	44	3	145	10	10	81.90	0.765	
HPSWH-160	6-5/16"	160	176	-15	-1	44	3	145	10	10	75.96	0.922	
HPSWH-180	7"	180	196	-15	-1	44	3	145	10	10	85.01	1.156	
HPSWH-200	8"	200	224	-15	-1	44	3	145	10	10	143.79	1.426	

## PVC STEEL WIRE AND FIBRE COMPOSITE HOSE



### Construction:

Tube and cover: transparent PVC

Reinforcement: steel wire spiral & polyester fibre braiding

### Application:

The PVC steel wire spring and fibre composite hose is widely used for suction and discharge of water, oil and powdery articles in the industries, agriculture, engineering, foodstuffs and sanitation lines, the hose used for foodstuffs is made of special food grade PVC. It is non-toxic, light, without odor and transparent.

The food grade PVC steel wire spring and fibre composite hose can be used for conveying milk, beverage, distilled liquor, beer, jam and other foods.

We can also insert the copper wire into hose. This hose can avoid the block of the flowing in the hose due to static, and protect users from getting electric shock or electric current impingement.

### Characteristics:

- Light weight, flexible with small bending radius.
- Durable against the external impact, chemical and climate
- Transparent, easy to check the contents.
- Anti-UV, anti-aging, long working life
- Heavy duty, higher working pressure

**Temperature :** -10°C (-50 °F) to 65°C (+150 °F)

Item Code	I.D		O.D	VACUUM		W.P		B.P		L	kg
	inch	mm	mm	psi	bar	psi	bar	psi	bar	m	kg/m
HPSWF019	3/4"	19	26	-15	-1	150	10	450	30	50	0.50
HPSWF025	1"	25	33	-15	-1	150	10	450	30	50	0.60
HPSWF032	1-1/4"	32	41	-15	-1	100	7	300	20	50	0.80
HPSWF038	1-1/2"	38	44	-15	-1	100	7	300	20	50	0.90
HPSWF050	2"	50	60	-15	-1	100	7	300	20	50	1.40
HPSWF064	2-1/2"	64	75	-15	-1	100	7	300	20	50	1.80
HPSWF075	3"	75	88	-15	-1	75	5	225	15	50	2.50

## GENERAL PURPOSE PVC SUCTION HOSE



High quality pvc with rigid pvc helix

### Applications:

PVC suction hose is designed for regular water supply and drainage, and for transporting various powdery particles and liquids, it is widely used in civil and building works ,agriculture,mining, construction,ship and fishery.

**Temperature:-**10°C (-50 °F) to 65°C (+150 °F)

### HEAVY DUTY

### Features:

- Economical & flexible
- Abrasion & chemical resistant
- Impact & crush resistant
- Excellent bending radius
- Constructed with rigid spiral helix reinforcement
- Smooth inner construction for unrestricted flow of materials

Item code	I.D		O.D	Wall Thickness	W.P		VACUUM	mm	m	Dimension	M <sup>3</sup>
	inch	mm	mm	mm	bar	psi	mmHg(68°F)				
HPSHH019	3/4	19.0±0.5	25.0±0.5	3.0	5.0	75	750	70	50	60x20	0.072
HPSHH025	1	25.4±0.5	31.4±0.5	3.0	5.0	75	750	70	50	60x25	0.090
HPSHH032	1 1/4	31.7±0.5	37.7±0.5	3.0	5.0	75	750	90	50	70x30	0.147
HPSHH038	1 1/2	38.1±0.5	45.1±0.5	3.5	5.0	75	750	110	50	80x30	0.192
HPSHH050	2	50.8±1.0	58.8±1.0	4.0	5.0	75	750	150	50	100x25	0.250
HPSHH065	2 1/2	63.5±1.0	72.5±1.0	4.5	4.0	60	750	180	50	115x35	0.463
HPSHH075	3	76.2±1.0	86.2±1.0	5.0	4.0	60	750	220	50	135x40	0.730
HPSHH100	4	101.6±1.5	103.6±1.5	6.0	4.0	60	750	330	50	200x35	1.400
HPSHH125	5	127.0±1.5	141.0±1.5	7.0	3.0	45	750	500	50	230x42	2.220
HPSHH152	6	152.4±1.5	168.4±1.5	8.0	3.0	45	750	700	30	230x35	1.850
HPSHH200	8	203.2±1.5	225.2±1.5	11.0	2.5	38	750	1100	12	1200x230	0.640
HPSHH250	10	254.0±1.5	278.0±1.5	12.0	2.5	38	750	1400	12	1200x280	0.941
HPSHH300	12	304.8±1.5	328.8±1.5	12.0	2.5	38	750	1800	12	1200x330	1.310
HPSHH350	14	355.6±1.5	379.6±1.5	12.0	2.5	38	750	2200	12	1200x383	1.761

## GENERAL PURPOSE PVC SUCTION HOSE

### STANDARD DUTY

Item code	I.D		O.D	Wall Thickness	W.P		VACUUM	L	Dimension	M <sup>3</sup>	
	inch	mm	mm	mm	bar	psi	mmHg(68°F)				
HPSHH019	3/4	19.0±0.5	23.0±0.5	2.0	5.0	75	750	70	50	60x20	0.072
HPSHH025	1	25.4±0.5	29.4±0.5	2.0	5.0	75	750	70	50	60x25	0.090
HPSHH032	1 1/4	31.7±0.5	35.7±0.5	2.0	5.0	75	750	90	50	70x30	0.147
HPSHH038	1 1/2	38.1±0.5	44.1±0.5	3.0	5.0	75	750	110	50	80x30	0.192
HPSHH050	2	50.8±1.0	57.8±1.0	3.5	5.0	75	750	150	50	100x25	0.250
HPSHH065	2 1/2	63.5±1.0	70.5±1.0	3.5	4.0	60	750	180	50	115x35	0.463
HPSHH075	3	76.2±1.0	84.2±1.0	4.0	4.0	60	750	220	50	135x40	0.730
HPSHH100	4	101.6±1.5	111.6±1.5	5.0	4.0	60	750	330	50	200x35	1.400
HPSHH125	5	127.0±1.5	139.0±1.5	6.0	3.0	45	750	500	50	230x42	2.220
HPSHH152	6	152.4±1.5	166.4±1.5	7.0	3.0	45	750	700	30	230x35	1.850
HPSHH200	8	203.2±1.5	219.2±1.5	8.0	2.5	38	750	1100	12	1200x230	0.640
HPSHH250	10	254.0±1.5	274.0±1.5	10.0	2.5	38	750	1400	12	1200x280	0.941
HPSHH300	12	304.8±1.5	324.8±1.5	10.0	2.5	38	750	1800	12	1200x330	1.310
HPSHH350	14	355.6±1.5	375.6±1.5	10.0	2.5	38	750	2200	12	1200x383	1.761

### LIGHT DUTY

Item code	I.D		O.D	Wall Thickness	W.P		VACUUM	L	Dimension	M <sup>3</sup>	
	inch	mm	mm	mm	bar	psi	mmHg(68°F)				
HPSHH019	3/4	19.0±0.5	23.0±0.5	2.0	4.0	60	750	70	50	60x20	0.072
HPSHH025	1	25.4±0.5	29.4±0.5	2.0	4.0	60	750	70	50	60x25	0.090
HPSHH032	1 1/4	31.7±0.5	35.7±0.5	2.0	4.0	60	750	90	50	70x28	0.137
HPSHH038	1 1/2	38.1±0.5	44.1±0.5	3.0	4.0	60	750	110	50	80x30	0.192
HPSHH050	2	50.8±1.0	56.8±1.0	3.0	4.0	60	750	150	50	100x24	0.240
HPSHH065	2 1/2	63.5±1.0	69.5±1.0	3.0	3.0	45	750	180	50	115x33	0.436
HPSHH075	3	76.2±1.0	83.2±1.0	3.5	3.0	45	750	220	50	135x38	0.693
HPSHH100	4	101.6±1.5	109.6±1.5	4.0	3.0	45	750	330	50	200x34	1.360



## PVC CORRUGATED SUCTION HOSE



### Construction:

High quality pvc with rigid pvc helix

### Application:









PVC corrugated suction hose is designed for regular water supply and drainage, and for transporting various powdery particles and liquids, it is widely used in civil and building works ,agriculture,mining, construction,shipbuilding and fishery.

### Features:

- Abrasion and chemical resistant
- Excellent bending radius
- Impact & crush resistant
- Corrugated rigid spiral helix reinforcement
- Smooth inner construction for unrestricted flow of materials
- Economical, flexible & lightweight for easy transport

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)

### HEAVY DUTY

Item code	 I.D.		 O.D.		 Wall Thickness		 W.P.		 VACUUM		 R		 L		Dimension		 M³	
	inch	mm	mm	mm	mm	bar	psi	mmHg(68°F)	mm	m/roll	D*H(cm)	m³/roll						
HPCSH019	3/4	19.0±0.5	25.0±1.0	3.0	7.5	110	740	60	50	57x20	0.065							
HPCSH025	1	25.4±0.5	31.4±1.0	3.0	7.0	100	740	70	50	60x25	0.090							
HPCSH032	1 1/4"	31.7±0.5	38.7±1.0	3.5	7.0	100	740	90	50	70x28	0.137							
HPCSH038	1 1/2"	38.0±0.5	46.0±1.0	4.0	6.0	85	740	120	50	80x30	0.192							
HPCSH050	2	50.8±1.0	58.8±1.5	5.0	6.0	85	740	150	50	100x25	0.250							
HPCSH065	2 1/2"	63.5±1.0	73.5±1.5	5.0	5.5	80	740	200	50	115x35	0.463							
HPCSH075	3	76.2±1.0	88.2±1.5	5.5	5.0	70	740	230	50	135x40	0.729							
HPCSH100	4	101.6±1.5	116.6±2.0	7.5	4.5	65	740	350	50	200x35	1.400							
HPCSH125	5	127.0±1.5	142.0±2.0	7.5	4.5	65	740	500	50	220x35	1.690							
HPCSH150	6	152.4±1.5	170.4±2.0	9.0	4.0	55	740	700	30	230x35	1.850							
HPCSH200	8	203.2±2.0	223.2±2.0	10.0	2.0	35	740	1200	12	1200x230	0.640							
HPCSH250	10	254.0±2.0	276.0±2.0	11.0	1.5	30	740	1800	12	1200x280	0.940							
HPCSH300	12	304.8±2.0	330.8±2.0	13.0	1.5	20	740	2000	12	1200x330	1.320							



## PVC CORRUGATED SUCTION HOSE

### STANDARD DUTY

Item code	I.D		O.D	Wall Thickness	W.P		VACUUM	R	L	Dimension	M <sup>3</sup>
	inch	mm	mm	mm	bar	psi	mmHg(68°F)	mm	m	D*H(cm)	m <sup>3</sup> /roll
HPCSS019	3/4	19.0±0.5	25.0±1.0	3.0	4.0	55	740	40	50	57x20	0.065
HPCSS025	1	25.4±0.5	31.4±1.0	3.0	4.0	55	740	45	50	60x25	0.090
HPCSS032	1 1/4	31.7±0.5	37.7±1.0	3.0	4.0	55	740	50	50	70x28	0.137
HPCSS038	1 1/2	38.0±0.5	45.0±1.0	3.5	3.5	50	740	55	50	80x32	0.192
HPCSS050	2	50.8±1.0	59.8±1.5	4.5	3.5	50	740	110	50	100x26	0.250
HPCSS065	2 1/2	63.5±1.0	72.5±1.5	4.5	2.5	35	740	180	50	115x35	0.463
HPCSS075	3	76.2±1.0	87.2±1.5	5.5	2.5	35	740	220	50	130x43	0.729
HPCSS100	4	101.6±1.5	115.6±2.0	7.0	2.5	35	740	240	50	200x35	1.400
HPCSS125	5	127.0±1.5	141.0±2.0	7.0	2.5	35	740	400	50	220x35	1.690
HPCSS150	6	152.4±1.5	168.4±2.0	8.0	2.0	30	740	450	30	230x35	1.850
HPCSS200	8	203.2±1.5	223.2±2.0	10.0	1.5	20	740	700	12	1200x230	0.640
HPCSS250	10	254.0±2.0	276.0±2.5	11.0	1.0	15	740	950	12	1200x280	0.940
HPCSS300	12	304.8±2.0	330.8±2.5	13.0	1.0	15	740	1000	12	1200x330	1.320



### LIGHT DUTY

Item code	I.D		O.D	Wall Thickness	W.P		VACUUM	R	L	Dimension	M <sup>3</sup>
	inch	mm	mm	mm	bar	psi	mmHg(68°F)	mm	m	D*H(cm)	m <sup>3</sup> /roll
HPCSL019	3/4	19.0±0.5	25.0±1.0	3.0	4.0	55	740	40	50	57x20	0.065
HPCSL025	1	25.4±0.5	31.4±1.0	3.0	4.0	55	740	45	50	60x25	0.090
HPCSL032	1 1/4	31.7±0.5	37.7±1.0	3.0	4.0	55	740	50	50	70x28	0.137
HPCSL038	1 1/2	38.0±0.5	44.0±1.0	3.0	3.5	50	740	55	50	80x32	0.192
HPCSL050	2	50.8±1.0	58.8±1.5	4.0	3.5	50	740	110	50	100x26	0.250
HPCSL065	2 1/2	63.5±1.0	71.5±1.5	4.0	2.5	35	740	180	50	115x35	0.463
HPCSL075	3	76.2±1.0	85.2±1.5	4.5	2.5	35	740	220	50	130x43	0.729
HPCSL100	4	101.6±1.5	136.6±2.0	6.0	2.5	35	740	240	50	200x35	1.400
HPCSL125	5	127.0±1.5	139.0±2.0	6.0	2.5	35	740	400	50	220x35	1.690
HPCSL150	6	152.4±1.5	164.4±2.0	6.0	2.0	30	740	450	30	230x35	1.850

## OIL RESISTANT HEAVY DUTY PVC SUCTION HOSE

**Construction:** High quality pvc with rigid pvc helix

**Applications:**

Oil resistant heavy duty pvc suction hose is used for high pressure general material handling, including oil, water etc, it is widely used in Industrial, refinery, construction industries and Lubrication service line.

**Features:**

- Oil resistant: Designed to handle gasoline, diesel and other oil.
- Abrasion & chemical resistant
- Impact & crush resistant
- Excellent bending radius
- Smooth inner construction for unrestricted flow of materials

**Temperature:** -30°C (-22 °F) to 65°C (+150 °F)



Item code	I.D		O.D	Wall Thickness	W.P (20°C)		R	L	Dimension	M <sup>3</sup>
	inch	mm	mm	mm	bar	Psi	mm	m	D*H(cm)	m <sup>3</sup> /roll
HPOSH019	3/4	19.0±0.5	25.0±0.5	3.0	5.0	75	750	70	60x20	0.072
HPOSH025	1	25.4±0.5	31.4±0.5	3.0	5.0	75	750	70	60x25	0.090
HPOSH032	1 1/4	31.7±0.5	37.7±0.5	3.0	5.0	75	750	90	70x30	0.147
HPOSH038	1 1/2	38.0±1.0	46.0±1.0	4.0	6	90	120	50	80x30	0.192
HPOSH050	2	50.8±1.0	58.8±1.5	4.0	6	90	150	50	100x25	0.250
HPOSH065	2 1/2	63.5±1.0	72.5±2.0	4.5	6	90	200	50	115x35	0.463
HPOSH075	3	76.2±1.0	86.2±2.0	5.0	5	75	230	50	135x40	0.730
HPOSH100	4	101.6±1.5	103.6±1.5	6.0	4.0	60	750	330	200x35	1.400
HPOSH125	5	127.0±1.5	141.0±1.5	7.0	3.0	45	750	500	230x42	2.220
HPOSH152	6	152.4±1.5	168.4±1.5	8.0	3.0	45	750	700	230x35	1.850

## LOW TEMPERATURE PVC SUCTION HOSE

**Construction:** High quality pvc with rigid pvc helix

**Applications:**

Low temperature pvc suction hose is used under extreme cold conditions, it is designed for Pumps, rental and construction dewatering, Water suction.

**Features:**

- Hose remains flexible in sub-zero temperatures.
- Transparent Construction Allows for visual confirmation of material flow.
- Smooth Outer Cover Provides increased pressure rating

**Temperature:** -30°C (-22 °F) to 65°C (+150 °F)



Item code	I.D		O.D	Wall Thickness	W.P		VACUUM	R	L	Dimension	M <sup>3</sup>
	inch	mm	mm	mm	bar	psi	mmHg(68°F)	mm	m	D*H(cm)	m <sup>3</sup> /roll
HPSHLT019	3/4	19.0±0.5	25.0±0.5	3.0	5.0	75	750	70	50	60x20	0.072
HPSHLT025	1	25.4±0.5	31.4±0.5	3.0	5.0	75	750	70	50	60x25	0.090
HPSHLT032	1 1/4	31.7±0.5	37.7±0.5	3.0	5.0	75	750	90	50	70x30	0.147
HPSHLT038	1 1/2	38.1±0.5	45.1±0.5	3.5	5.0	75	750	110	50	80x30	0.192
HPSHLT050	2	50.8±1.0	58.8±1.0	4.0	5.0	75	750	150	50	100x25	0.250
HPSHLT065	2 1/2	63.5±1.0	72.5±1.0	4.5	4.0	60	750	180	50	115x35	0.463
HPSHLT075	3	76.2±1.0	86.2±1.0	5.0	4.0	60	750	220	50	135x40	0.730
HPSHLT100	4	101.6±1.5	103.6±1.5	6.0	4.0	60	750	330	50	200x35	1.400
HPSHLT125	5	127.0±1.5	141.0±1.5	7.0	3.0	45	750	500	50	230x42	2.220
HPSHLT152	6	152.4±1.5	168.4±1.5	8.0	3.0	45	750	700	30	230x35	1.850

## VACUPRESS OIL SUCTION AND DISCHARGE HOSE

### Construction:

Inner:PVC-PU and nitrile rubber compound with embedded galvanised steel spiral

reinforcement:Polyester yarn reinforcement Cover:PVC-PU and nitrile rubber compound Temperature:-25 °C + 55 °C

### Applications:

Suction and delivery of oils, blue diesel, diesel and bio diesel. Typical fields of application for include agricultural, building and vehicle construction industries

### Characteristics:

Very smooth surface, very good flexibility and good crush resistance.



Item Code	I.D		O.D	kg	R	W.P	B.P	VACUUM	L
	inch	mm	mm	kg/m	mm	bar	bar	bar	mt
HVPO19	3/4"	19	28	0.45	70	16	48	0.8	60
HVPO25	1"	25	35.5	0.64	80	16	48	0.8	60
HVPO32	1 1/4"	32	42.5	0.8	100	16	48	0.8	60
HVPO35	1 3/8"	35	48	1.05	120	14	42	0.8	60
HVPO38	2-1/2"	38	51	1.2	125	14	42	0.8	40
HVPO40	1 4/7"	40	53	1.2	130	14	42	0.8	40
HVPO45	1 3/4"	45	58	1.34	140	12	36	0.8	40
HVPO50	2"	50	64	1.73	150	12	36	0.8	40
HVPO60	2 3/8"	60	74	1.95	180	12	36	0.8	40
HVPO63	2 1/2"	63	77	2.03	190	12	36	0.8	40

## FUEL DROP HOSE

### Construction:

Specially blended nitrile(NBR)rubber tube with rigid PVC helix and embedded grounding wire.

### Applications:

The fuel drop hose is used for tank truck gravity drop fuel transfer

### Characteristic:

- Specialty Rubber Compounds- Designde to handle gasoline,diesel,ethanol
- Durable Construction- Designed with high tensile strength polyester yarn fabric reinforcement.
- Easy to Handle- Lighter weight and greater flexibility than conventional rubber drop hose
- Grounding Wire- Durable multi-strand copper wire dissipates static electricity
- Static Dissipating Tube- Specially formulated to help prevent the build-up of static electricity for added safety.
- Easy Slide Helix- Rigid clockwise helix design protects hose tube from cover wear

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



Item Code	I.D		O.D	W.P		R	L	kg
	inch	mm	mm	psi	bar	inch	m	kg/m
HNDH050	2	50±1	62±1	75	5	0.5	30	1.2
HNDH064	2.5	64±1	77±1	75	5	0.6	30	1.6
HNDH075	3	75±1	90±1	60	4	0.65	30	1.9
HNDH102	4	102±1.5	119±1.5	60	4	0.85	30	2.9
HNDH127	5	127±1.5	154±1.5	60	4	0.95	20	4.6
HNDH152	6	152±1.5	174±1.5	50	3	1.5	20	5.8
HNDH201	8	201±1.5	224±1.5	40	2.5	1.9	10	8.13

## PVC FABRIC REINFORCED SUCTION HOSE

### Construction:

Double-ply PVC tube, polyester fabric reinforcement and rigid PVC helix

### Applications:

The PVC fibre reinforced suction hose is used for Fish suction; Irrigation lines; Pumps, rental and construction dewatering

Pumps, trash; Suction and discharge; Water suction- heavy duty

### Characteristic:

- Fabric Reinforcement- Designed with high tensile strength polyester yarn jacket to handle both suction and higher pressure discharge applications.
- Transparent Construction Allows for visual confirmation of material flow.
- Rigid helix design protects hose from cover wear, Easy-to-handle.

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



Item Code	I.D		O.D	Wall Thickness	W.P	VACUUM	R	L	kg	Dimension	M <sup>3</sup>
	in	mm	mm	mm	psi	mmHg	cm	m	kg/m	D*H(cm)	m <sup>3</sup> /roll
HPFRS 038	1.1/2"	38.1	48.1	5	100	750	20	30	0.42	80x30	0.192
HPFRS 050	2	50.8	63.0	6	100	750	25	30	1.10	100x25	0.250
HPFRS 065	2.1/2"	64.0	78.0	7	100	750	30	30	1.50	115x35	0.463
HPFRS 075	3	76.2	92.0	8	90	750	30	30	1.80	135x40	0.729
HPFRS 102	4	101.6	121.0	9	90	750	40	30	2.70	200x35	1.400
HPFRS 127	5	127.0	149.0	11	60	750	60	30	3.50	220x35	1.690
HPFRS 152	6	152.4	174.0	11	50	750	75	30	5.70	230x35	1.850
HPFRS 200	8	203.5	227.0	12	50	750	95	12	8.00	1200x230	0.640

## PVC INTAKE SUCTION HOSE(VACUUMING)

### Construction:

High quality pvc with rigid pvc helix

### Applications:

PVC intake suction hose is designed for heavy vacuuming of material.

High vacuum rating for heavy duty suction

Conveying dry & wet granule materials, Industrial, construction & pumping industries and fishery.

### Characteristic:

- Abrasion resistant
- Corrugated rigid spiral helix reinforcement
- Designed to perform with full vacuum rating

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



Item Code	I.D		O.D	Wall Thickness	W.P	VACUUM	R	L	kg	Dimension	M <sup>3</sup>	
	inch	mm	mm	mm	bar	psi	mm	mmHg	m	kg/m	D*H(cm)	m <sup>3</sup> /roll
HPITH200	8	203.2±2	227.2±2	12	2.50	40	1000	750	12	8.50	1200x230	0.640
HPITH250	10	254.0±2	282.0±2	14	2.50	40	1200	750	12	13.00	1200x285	1.010
HPITH300	12	304.8±2	334.8±2	15	2.00	30	1400	750	12	16.00	1200x340	1.390

## PVC GRIT HOSE

**Construction:** High quality pvc with rigid pvc helix

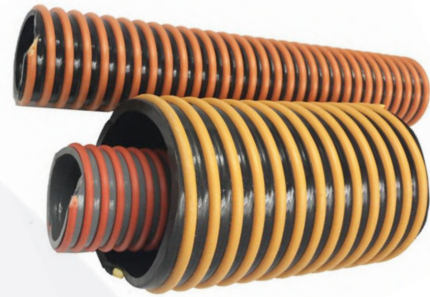
**Applications:**








The pvc grit hose is used in shipbuilding, industrial & construction industries, it can be used for granule and powder material transfer, for suction and discharge of sand, gravel, cement etc.

**Characteristic:**

- Abrasion resistant
- Rigid spiral helix reinforcement
- Specially formulated compound to resist cold & hot weather

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)



Item code	Nominal Size		 I.D.	 O.D.	 Wall Thickness		 VACUUM	 L	Packing Size	 M³
	mm	inch	mm	mm	mm	mm	mmHg(68°F)	m	D*H(CM)	m³/roll
HPGH038	38	1.1/2"	38.1±0.5	49.1±1.5	5.5	150	750	30	75*25	0.141
HPGH050	50	2	50.8±1.0	62.8±1.5	6.0	160	750	30	85*25	0.181
HPGH065	65	2.1/2"	63.5±1.0	76.5±1.5	6.5	180	750	30	110*22	0.266
HPGH075	75	3	76.2±1.0	90.2±1.5	7.0	210	750	30	120*27	0.389
HPGH100	100	4	101.6±1.5	121.6±2.0	10.0	270	750	30	150*35	0.788
HPGH125	125	5	127.0±1.5	149.0±2.0	11.0	350	750	20	150*45	1.020
HPGH152	150	6	152.4±1.5	178.4±2.0	13.0	420	750	20	160*55	1.408
HPGH200	200	8	203.2±1.5	229.2±2.0	13.0	480	750	20	200*0.5	2.000

## HEAVY DUTY PU LINED MATERIAL HANDLING HOSE

**Construction:**

PVC cover with polyurethane liner and rigid PVC helix.

**General Applications:**







- Agricultural dry fertilizers
- Air seeder lines
- Fly ash collection
- Industrial vacuum equipment
- Material chutes
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Shot blast recovery

**Features and Advantages:**

- Thick Abrasion Resistant Polyurethane Liner – Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- “Cold-Flex” Materials – Hose remains flexible in sub-zero temperatures.
- Corrugated Outer Cover – Provides increased hose flexibility.
- Oil Resistant Polyurethane Liner – Resists most animal and petroleum based oils.

**Temperature Range:** -10°C (-50 °F) to 65°C (+150 °F)



Item Code	 I.D.		 O.D.		 W.P.	 VACUUM	Min. Bending Radius at 68 °F	 L	 kg
	inch	mm	inch	mm	psi	mmHg	mm	m	kg/m
HPLMH-125	1-1/4"	31.8	1.53	39	50	750	50	30	0.06
HPLMH-150	1-1/2"	38.1	1.85	47	50	750	50	30	0.12
HPLMH-200	2"	50.8	2.4	61	40	750	76	30	0.17
HPLMH-250	2-1/2"	63.5	3.07	78	40	750	76	30	0.24
HPLMH-300	3"	76.2	3.64	92.5	40	750	101	30	0.35
HPLMH-350	3-1/2"	88.9	4.21	107	35	750	126	30	0.45
HPLMH-400	4"	101.6	4.76	120.9	35	750	152	30	0.59
HPLMH-500	5"	127	5.75	146	35	750	253	30	0.73
HPLMH-600	6"	152.4	6.81	173	30	750	304	30	1.06
HPLMH-800	8"	203.2	9.18	233.2	30	750	457	12	1.8
HPLMH-1000	10"	255	11.6	194.5	22	750	660	12	3.01

## PVC SEEDER HOSE

**Construction:** High quality pvc with rigid pvchelix

**Applications:**

- For seed transport
- For the construction of fountains

**Features:**

- PVC hose with rigid PVC spiral
- Extremely flexible
- Excellent bending radius
- Smooth inner construction for unrestricted flow of materials

**Temperature:** -10°C (-50°F) to 65°C (+150°F)



Item Code	I.D.		O.D.	Wall Thickness	VACUUM	R	L	Dimension	M <sup>3</sup>
	inch	mm	mm	mm	mmHg(68°F)	mm	m		
HPSHS019	3/4	19.0±0.5	25.0±1.0	1.1	300	60	50	55x25	0.076
HPSHS025	1	25.4±0.5	31.4±1.0	1.1	300	70	50	60x25	0.090
HPSHS032	1 1/4"	31.7±0.5	38.7±1.0	1.1	300	90	50	70x30	0.147
HPSHS038	1 1/2"	38.0±0.5	46.0±1.0	1.2	300	120	50	80x30	0.192
HPSHS050	2	50.8±1.0	58.8±1.5	1.2	300	150	50	100x25	0.250
HPSHS065	2 1/2"	63.5±1.0	73.5±1.5	1.2	300	200	50	115x35	0.463
HPSHS075	3	76.2±1.0	88.2±1.5	1.2	300	230	50	135x40	0.729
HPSHS100	4	101.6±1.5	116.6±2.0	1.5	300	350	50	165x50	1.361

## PVC WINE HOSE

**Construction:** High quality pvc with rigid pvc helix

**Applications:**

- Transfer of wines, musts, vinegars, beers and alcohols (up to 28%).
- Pumping by aspiration and impulsion.

**Features:**

- Toxic and food use (European Directive 2002/72 / EC and its latest revision 2007/19 / EC)
- Resistant to alcohols and chemicals in general
- Manufactured according to UNE-EN-23994/93
- PVC hose with rigid PVC spiral
- Phthalate free according to UNE-EN 1186-9 / 13130-1 and ISO 6401 standards

**Temperature:** -10°C (-50°F) to 65°C (+150°F)



Item Code	I.D.		O.D.	Wall Thickness	W.P(at20°C)		VACUUM	R	L	Dimension	M <sup>3</sup>
	inch	mm	mm	mm	bar	psi	mmHg(68°F)	mm	m		
HPSHW020	3/4	20±0.5	26.0±0.5	3.0	10.0	150	750	70	50	55x25	0.076
HPSHW025	1	25±0.5	31.0±0.5	3.0	9.0	135	750	70	50	60x25	0.090
HPSHW032	1 1/4"	32±0.5	40.0±0.5	4.0	8.0	120	750	90	50	70x30	0.147
HPSHW038	1 1/2"	38±0.5	47.0±0.5	4.5	7.0	105	750	110	50	80x30	0.192
HPSHW050	2	50±1.0	60.0±1.0	5.0	6.0	90	750	150	50	100x25	0.250
HPSHW063	2 1/2"	63±1.0	73.0±1.0	5.0	6.0	90	750	180	50	115x35	0.463
HPSHW075	3	75±1.0	87.0±1.0	6.0	5.0	75	750	220	50	135x40	0.729
HPSHW100	4	100±1.5	114.0±1.5	7.0	5.0	75	750	330	50	165x50	1.361
HPSHW125	5	125±1.5	141.0±1.5	8.0	4.0	60	750	500	30	200x28	1.120
HPSHW150	6	150±1.5	168.0±1.5	9.0	3.0	45	750	700	30	230x33	1.746

## FULLY TRANSPARENT PVC SUCTION HOSE. NON-TOXIC



### Construction:

High quality pvc with rigid pvc helix

### Application:

designed for regular water supply and drainage, and for transporting various powdery particles and liquids, it is widely used in civil and building works ,agriculture,mining, construction,ship and fishery.

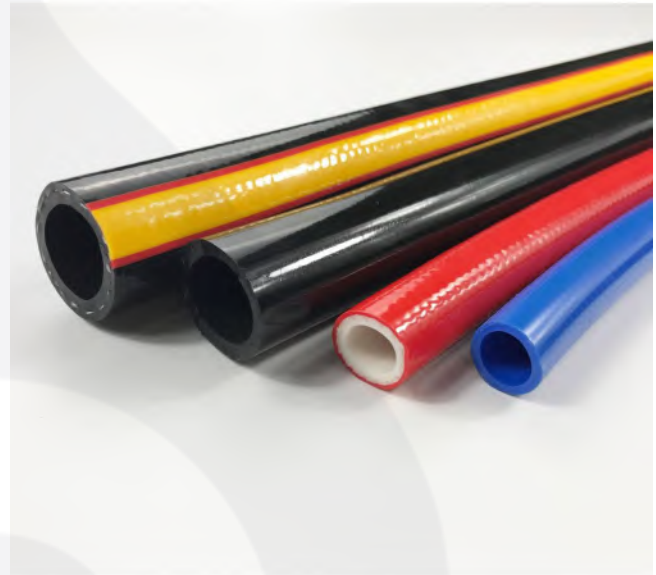
**Temperature:** -10°C (-50 °F ) to 65°C (+150 °F)

### Characteristic:

- Economical & flexible
- Abrasion & chemical resistant
- Excellent bending radius
- Constructed with rigid spiral helix reinforcement
- Smooth inner construction for unrestricted flow of materials

Item Code	I.D		O.D	Wall Thickness	W.P(at20°C)		VACUUM	R	L	Dimension	M <sup>3</sup>
	inch	mm	mm	mm	bar	psi	mmHg(68°F)	mm	m	D*H(cm)	m <sup>3</sup> /roll
HPSHT019	3/4	19.0±0.5	25.0±0.5	3.0	10.0	150	750	70	50	55x25	0.076
HPSHT025	1	25.4±0.5	31.4±0.5	3.0	9.0	135	750	70	50	60x25	0.090
HPSHT032	1 1/4	31.7±0.5	37.7±0.5	3.0	8.0	120	750	90	50	70x30	0.147
HPSHT038	1 1/2	38.1±0.5	45.1±0.5	3.5	7.0	105	750	110	50	80x30	0.192
HPSHT050	2	50.8±1.0	58.8±1.0	4.0	6.0	90	750	150	50	100x25	0.250
HPSHT065	2 1/2	63.5±1.0	72.5±1.0	4.5	6.0	90	750	180	50	115x35	0.463
HPSHT075	3	76.2±1.0	86.2±1.0	5.0	5.0	75	750	220	50	135x40	0.729
HPSHT100	4	101.6±1.5	103.6±1.5	6.0	5.0	75	750	330	50	165x50	1.361
HPSHT125	5	127.0±1.5	141.0±1.5	7.0	4.0	60	750	500	30	200x28	1.120
HPSHT152	6	152.4±1.5	168.4±1.5	8.0	3.0	45	750	700	30	230x33	1.746
HPSHT200	8	203.2±1.5	225.2±1.5	11.0	2.5	38	750	1100	12	1200x230	0.640
HPSHT250	10	254.0±1.5	278.0±1.5	12.0	2.5	38	750	1400	12	1200x280	0.941
HPSHT300	12	304.8±1.5	328.8±1.5	12.0	2.5	38	750	1800	12	1200x330	1.310

## PVC AIR HOSE 300PSI



### Construction:

Tube: PVC material

Reinforcement: 1ply or 2ply high tensile polyester braiding

Cover: PVC,black,red,yellow,blue.

**Application:** The PVC air hose is widely used in pneumatic tools, air compressors, Rock drill, automated air line, air supply, cleaning equipment, construction equipment and so on.

### Characteristics:

- high tensile polyester reinforced
- Work under high pressure 300psi
- Strong peeling adhesion between fibre and pvc
- light, flexible, non-kinking, non-twisting
- UV and ozone resistant, weather resistant.
- Can be used for jackhammer hose.

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)

Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m/roll	kg/m	m <sup>3</sup> /roll
HPAIR-06	1/4"	6.4	12	300	20	900	60	100	0.108	0.024
HPAIR-08	5/16"	8	14	300	20	900	60	100	0.143	0.029
HPAIR-10	3/8"	10	16	300	20	900	60	100	0.169	0.040
HPAIR-13	1/2"	13	20	300	20	900	60	100	0.250	0.058
HPAIR-16	5/8"	16	25	300	20	900	60	50	0.392	0.040
HPAIR-19	3/4"	19	28	300	20	900	60	50	0.468	0.057
HPAIR-25	1"	25	35	300	20	900	60	50	0.660	0.094
HPAIR-32	1-1/4"	32	44	300	20	900	60	50	1.010	0.169
HPAIR-38	1-1/2"	38	50	300	20	900	60	50	1.170	0.227
HPAIR-50	2"	50	64	300	20	900	60	50	1.766	0.375



## MULTI-PURPOSE TPR(RUBBER/PVC MIXED)HOSE 300PSI



### Construction:

Tube and Cover: TPR (NBR/PVC),smooth, oil resistance  
Reinforcement: 1ply or 2ply polyester braiding

### Application:

The multi purpose TPR (rubber/pvc mixed) air hose is designed for pneumatic tools, air compressors,Rock drill,automated air line, air supply,cleaning equipment, construction equipment and so on.

### Characteristics:

- Oil mist resistant tube and cover.
- Ozone and UV resistant,weather resistant.
- Flexible and non-kinking.
- Black ,yellow, red ,more color choices

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

Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	bar	psi	bar	psi		Kg/m	m <sup>3</sup> /roll
HTPRA-06	1/4"	6	12	20	300	60	900	100	0.112	0.024
HTPRA-08	5/16"	8	14	20	300	60	900	100	0.143	0.029
HTPRA-10	3/8"	10	16	20	300	60	900	100	0.169	0.040
HTPRA-12	1/2"	13	20	20	300	60	900	100	0.250	0.058
HTPRA-16	5/8"	16	25	20	300	60	900	100	0.392	0.080
HKTPRA-19	3/4"	19	28	20	300	60	900	100	0.468	0.114
HTPRA-25	1"	25	35	20	300	60	900	100	0.660	0.188

## HYBRID AIR HOSE 300PSI



### Construction:

Tube and cover: Specialized blend of rubber and pvc  
 Reinforcement: high tensile polyester braiding

### Application:

The hybrid air hose is widely used in pneumatic tools, air compressors, automated air line, air supply, cleaning equipment, construction equipment and so on.

**Temperature:** -30°C (-22 °F) to 65°C (+150 °F)

### Characteristic:

- Extreme all-weather flexibility
- Flexible even in sub-zero temperatures
- Max working pressure 300psi
- Excellent abrasion-resistant outer cover
- Light weight, flexible, non-kinking, non-twisting
- UV and ozone resistant, Anti-aging
- With 1/4 " NPT fittings

Item Code	I.D		O.D	W.P		B.P		L	kg	QTY/carton	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar		kg/pc	pcs	kg/m	m <sup>3</sup> /roll
HHYBA0625	1/4"	6	12	300	20	900	60	25	0.900	20	18	43x22x51
HHYBA0650	1/4"	6	12	300	20	900	60	50	1.800	10	18	31x31x50
HHYBA0825	5/16"	8	14	300	20	900	60	25	1.100	20	22	48x24x57
HHYBA0850	5/16"	8	14	300	20	900	60	50	2.200	10	22	33x33x58
HHYBA1025	3/8"	9.5	15.5	300	20	900	60	25	1.250	20	25	51x25x65
HHYBA1050	3/8"	9.5	15.5	300	20	900	60	50	2.500	10	25	35x35x65
HHYBA1075	3/8"	9.5	15.5	300	20	900	60	75	3.800	5	19	35x35x50
HHYBA10100	3/8"	9.5	15.5	300	20	900	60	100	5.000	5	25	38x38x50

## AIR HOSE ACCESSORIES



ORT101  
Air Hose Fittings for Tire



ORT102  
Air Hose Fittings Adaptor



ORT103  
Air Hose Fittings 1/4 NPT



ORT104  
Air Hose EU-Standard Quick Fittings



ORT105  
Air Hose British Standard Quick Fittings



ORT106  
Air Hose Fittings 1/4 NPT



ORT107  
Air Hose Fittings 1/4 NPT



ORT108  
Air Compressor Fittings



ORT109  
Air Hose Japan Standard Quick Fittings



ORT11  
Hose End Just Fitting



ORT12  
Hose End With Spring



ORT13  
Hose End With Brandit/Hose Guard

## PVC OXYGEN HOSE

### Construction:

Tube: PVC material

Reinforcement: 1ply or 2ply high tensile polyester braiding

Cover: PVC,black,blue.

**Application:** Being widely used in welding machine,architecture and lacquer factory.

### Characteristics:

- high tensile polyester reinforced
- Work under high pressure 300psi
- Strong peeling adhesion between fibre and pvc
- light,flexible,non-kinking,non-twisting
- UV and ozone resistant,weather resistant.
- Can be used for jackhammer hose.

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)



Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m	kg/roll	m <sup>3</sup> /roll
HPOXH0620	1/4"	06	12	300	20	900	60	100	11.87	0.025
HPOXH0820	5/16"	08	14	300	20	900	60	100	14.50	0.030
HPOXH1020	3/8"	10	16	300	20	900	60	100	17.14	0.034
HPOXH0640	1/4"	06	12	600	40	1800	120	100	11.95	0.028
HPOXH0840	5/16"	08	14	600	40	1800	120	100	14.40	0.033
HPOXH1040	3/8"	10	16	600	40	1800	120	100	17.26	0.038

## PVC ACETYLENE HOSE

### Construction:

Tube: PVC material

Reinforcement: 1ply or 2ply high tensile polyester braiding

Cover: PVC,red,yellow.

**Application:** Being widely used in welding machine,architecture and lacquer factory.

### Characteristics:

- high tensile polyester reinforced
- Work under high pressure 300psi
- Strong peeling adhesion between fibre and pvc
- light,flexible,non-kinking,non-twisting
- UV and ozone resistant,weather resistant.
- Can be used for jackhammer hose.

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)



Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m	kg/roll	m <sup>3</sup> /roll
HACTH0620	1/4"	06	12	300	20	900	60	100	11.87	0.025
HACTH0820	5/16"	08	14	300	20	900	60	100	14.50	0.030
HACTH1020	3/8"	10	16	300	20	900	60	100	17.14	0.034
HACTH0640	1/4"	06	12	600	40	1800	120	100	11.95	0.028
HACTH0840	5/16"	08	14	600	40	1800	120	100	14.40	0.033
HACTH1040	3/8"	10	16	600	40	1800	120	100	17.26	0.038

## PVC WELDING HOSE



### Construction:

Tube: PVC material

Reinforcement: 1ply or 2ply high tensile polyester braiding

Cover: PVC, black, red, yellow, blue.

**Application:** Being widely used in welding machine, architecture and lacquer factory.

**Temperature:** -10°C (-50 °F) to 65°C (+150 °F)

### Characteristics:

- high tensile polyester reinforced
- Work under high pressure 300psi
- Strong peeling adhesion between fibre and pvc
- light, flexible, non-kinking, non-twisting
- UV and ozone resistant, weather resistant.
- Can be used for jackhammer hose.

### 3 layer PVC twin welding hose

Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m	kg/roll	m <sup>3</sup> /roll
HPTWH306	1/4"	06	12	300	20	900	60	100	23.74	0.050
HPTWH308	5/16"	08	14	300	20	900	60	100	29.01	0.059
HPTWH310	3/8"	10	16	300	20	900	60	100	34.29	0.068

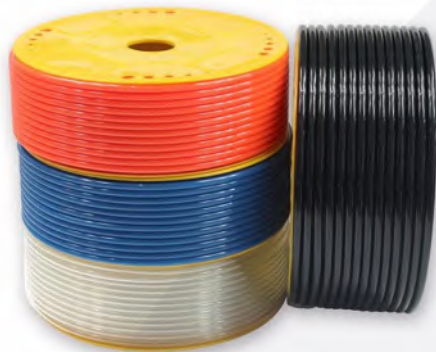
### 5 layer heavy duty PVC twin welding hose

Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m	kg/roll	m <sup>3</sup> /roll
HPTWH506	1/4"	06	12	600	40	1800	120	100	23.91	0.055
HPTWH508	5/16"	08	14	600	40	1800	120	100	29.22	0.064
HPTWH510	3/8"	10	16	600	40	1800	120	100	34.53	0.075

### Fully cotton braided heavy duty twin welding hose

Item Code	I.D		O.D	W.P		B.P		L	kg	M <sup>3</sup>
	inch	mm	mm	psi	bar	psi	bar	m	kg/roll	m <sup>3</sup> /roll
HPTWHF06	1/4"	06	12	600	40	1800	120	100	23	0.051
HPTWHF08	5/16"	08	14	600	40	1800	120	100	26.4	0.060
HPTWHF10	3/8"	10	16	600	40	1800	120	100	33	0.070

## PU PNEUMATIC HOSE










### Construction:

Material: Polyurethane

### Characteristic:

Has excellent flexibility, the beveling radius is small; Good anti-knocking property; The nature is light; The operating temperature and the working pressure scope is wide; Has

the excellent chemical properties, the pressure loss is minimum; Degree of hardness is constant, the service life is long; Non-toxic, tasteless; Custom-made color is doable, easy pipeline recognition, Conforms to the ROHS environmental protection requirement.

Item Code								
	mm	mm	bar	bar	kg/reel	mm	m/roll	
METRIC SYSTEM	HPU2030	2	3	10	32	1.4	8	200
	HPU2540	2.5	4	10	32	2.3	10	200
	HPU3050	3	5	10	32	3.6	8	200
	HPU4060	4	6	8	24	4.3	15	200
	HPU5080	5	8	10	32	4.2	20	100
	HPU5580	5.5	8	8	24	3.7	20	100
	HPU6510	6.5	10	8	24	6.1	25	100
	HPU8012	8	12	8	24	8.2	35	100
	HPU1014	10	14	8	24	9.4	45	100
	HPU1216	12	16	8	24	11.3	70	100
HPU1316	13	16	6	18	8.9	80	100	
BRITISH SYSTEM	HPU1/8	2	3.2	10	32	1.6	8	200
	HPU5/32	2.5	4	10	32	2.3	10	200
	HPU1/4	4.6	6.4	8	24	4.2	15	200
	HPU5/16	5	8	10	32	4.2	20	100
	HPU3/8	6.5	9.6	8	24	5.1	25	100
	HPU1/2	9.6	12.6	8	24	6.7	35	100

## PU BRAIDED HOSE

### Application:

The flexible PU hose is used for industry robots and pneumatic tools, assembly plant barometric tool, and duct with pressure.

Transport water and other liquid. Vehicles service and house painting!







**Color:** clear, black, blue, red, yellow, green, white, orange.

### Characteristics:

- Braided PU hose has excellent flexibility, bending radius is small.
- Working pressure is 1.8 times of single-layer PU Hose.
- The PU hose is non-toxic, smellless.
- Hardness is constant, service life is long.

**Temperature:** -40°C (-104 °F) to +90°C (+140 °F)



Item Code	 I.D.	 O.D.	 W.P.		 B.P.		 R	 L
	mm	mm	psi	bar	psi	bar	mm	m/roll
HPUBH05	5	8	290	20	870	60	20	100
HPUBH65	6.5	10	218	15	653	45	25	100
HPUBH08	8	12	218	15	653	45	35	100
HPUBH95	9.5	14.5	218	15	653	45	45	100
HPUBH12	12	16	218	15	653	45	60	100
HPUBH13	13	18	218	15	653	45	70	100
HPUBH19	19	25	218	15	653	45	80	100



## PA/PU COIL HOSE

### Construction:

Material: nylon, Polyurethane

### Application:

used for air brake,automated machinery,coating machinery,all kinds of pneumatic tools,pneumatic & hydraulic machinery,construction and various pneumatic tools.Polyether based PU tube is hydrolysis-resistant,anti-bacterial & anti-fungous,and it can be used for gardening,cleaning,water hoses and other purposes.






### Characteristic:

- Good elasticity,it is easy to operate,save space
- Absorbing impact and reduce the hose to rub
- Custom made specification and size available
- Non-toxic,smellless
- Excellent flexibility,bending radius is small






**Temperature:** -40°C (-104 °F ) to +90°C (+140 °F )



### PU Coil Hose

Item Code							
	mm	mm	psi	bar	psi	bar	m/pc
HPUC508060	5	8	116	8	348	24	6
HPUC508090	5	8	116	8	348	24	9
HPUC508012	5	8	116	8	348	24	12
HPUC508015	5	8	116	8	348	24	15
HPUC651060	6.5	10	116	8	348	24	6
HPUC651090	6.5	10	116	8	348	24	9
HPUC651012	6.5	10	116	8	348	24	12
HPUC651015	6.5	10	116	8	348	24	15
HPUC801260	8	12	116	8	348	24	6
HPUC801290	8	12	116	8	348	24	9
HPUC801212	8	12	116	8	348	24	12
HPUC801215	8	12	116	8	348	24	15
HPUC121612	12	16	116	8	348	24	12
HPUC121615	12	16	116	8	348	24	15

### Nylon Coil Hose

Item Code							
	mm	mm	psi	bar	psi	bar	m/pc
HPACH460	4	6	276	19	827	57	3m,6m,9m,12m,15m
HPACH680	6	8	276	19	827	57	
HPACH710	7	10	276	19	827	57	
HPACH912	9	12	276	19	827	57	



## PU COIL HOSE



**EUR-13**

Raw material: Polyurethane (PU) Coil turns: 16 18 20 22 24 26 Fitting size: M22x1.5 M16x1.5



**EUR-14**

Raw material: Polyurethane (PU) Coil turns: 16 18 20 22 24 26 Fitting size: M22x1.5 M16x1.5



**EUR-15**

Raw material: Polyurethane (PU) Coil turns: 16 18 20 22 24 26 Fitting size: M22x1.5 M16x1.5



**EUR-16**

Raw material: Polyurethane (PU) Coil turns: 16 18 20 22 24 26 Fitting size: M22x1.5 M16x1.5



**EUR-17**

Raw material: Polyurethane (PU) Coil turns: 16 18 20 22 24 26 Fitting size: M22x1.5 M16x1.5



**EUR-18**

Raw material: Polyurethane (PU) Coil turns: 16 18 20 22 24 26 Fitting size: M22x1.5 M16x1.5



**EUR-19**

Raw material: Polyurethane (PU) Coil turns: 16 18 20 22 24 26 Hose size: 12x8 10x6.5 8x5 6x4 Fitting type: European type Japan type



**EUR-20**

Raw material: Polyurethane (PU) Coil turns: 16 18 20 22 24 26 Fitting size: M22x1.5 M16x1.5



**EUR-21**

Raw material: Polyurethane (PU) Coil turns: 16 18 20 22 24 26 Fitting size: M22x1.5 M16x1.5



**EUR-22**

Raw material: PU PE Coil turns: 16 18 20 22 24 26 Hose size: 12x8 10x6.5 8x5 6x4 Gun type: Aluminum



**EUR-23**

Raw material: PU PE Coil turns: 16 18 20 22 24 26 Hose size: 12x8 10x6.5 8x5 6x4 Gun type: Aluminum



**EUR-24**

Raw material: PU PE Coil turns: 16 18 20 22 24 26 Hose size: 12x8 10x6.5 8x5 6x4 Gun type: Plastic Gun

## PA COIL HOSE



**EUR-01**

Raw material:Nylon 12  
Coil turns:16 18 20 22 24 26  
Fitting size: M22x1.5M16x1.5



**EUR-02**

Raw material:Nylon 12  
Coil turns:16 18 20 22 24 26  
Fitting size: M22x1.5M16x1.5



**EUR-03**

Raw material:Nylon 12  
Coil turns:16 18 20 22 24 26  
Fitting size: M22x1.5M16x1.5



**EUR-04**

Raw material:Nylon 12  
Coil turns:16 18 20 22 24 26  
Fitting size: M22x1.5M16x1.5



**EUR-05**

Raw material:Nylon 12  
Coil turns:16 18 20 22 24 26  
Fitting size: M22x1.5M16x1.5



**EUR-06**

Raw material:Nylon 12  
Coil turns:16 18 20 22 24 26  
Fitting size: M22x1.5M16x1.5



**EUR-07**

Raw material:Nylon 12 Double layer Coil  
turns:16 18 20 22 24 26 Fitting size:  
Dot1/2



**EUR-08**

Raw material:Nylon 12 Double layer  
Coil turns:16 18 20 22 24 26 Fitting  
size: Dot1/2



**EUR-09**

Raw material:Nylon 12 Double layer Coil  
turns:16 18 20 22 24 26 Fitting size:  
Dot1/2



**EUR-10**

Raw material:Nylon 12 Signal layer  
Coil turns:16 18 20 22 24 26  
Fitting size: Dot1/2 M22x1.5



**EUR-11**

Raw material:Nylon 12 Signal layer  
Coil turns:16 18 20 22 24 26  
Fitting size: Dot1/2 M22x1.5



**EUR-12**

Raw material:Nylon 12 Signal layer  
Coil turns:16 18 20 22 24 26  
Fitting size: Dot1/2 M22x1.5

## PA6,PA12 NYLON HOSE

### Construction:

Material:nylon

### Application:

The PA air hose used for transport compressed air,water,oil,chemicals etc.

Such as the nylon hose widely used in light truck,air brake hose in car,power steering hose; forklift truck,loading care excavator,crane, ships,engineering machinery and control system line;paint;high pressure liquid resin spraying pipe,air condition etc











### Characteristic:

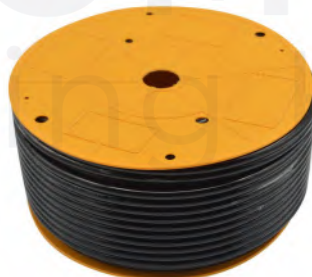
- PA hose has superior mechanical strength
- excellent abrasive resistance,oil resistance, superior cold resistance
- The nylon air hose is high precision of inside and outside diameter,suitable for various kinds of fittings.
- It is high resistance to hydrocarbons oils and chemical products

### Temperature:

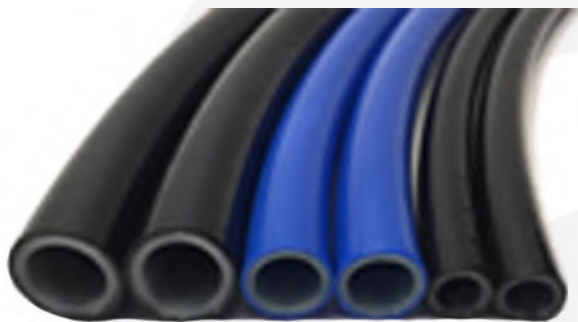
-40°C (-104 °F ) to +121°C (+250 °F )



Item Cod	Size						Item Code	Size					
		mm	mm	mm	MKPA	MKPA			mm	mm	mm	MKPA	MKPA
HPA40075	4.0*0.75	4	2.5	3.1	7.54	20	HPA10020	10.0*2.0	10	6	3.4	8.62	60
HPA40100	4.0*1.0	4	2	4.5	11.25	20	HPA11015	11.0*1.5	11	8	2.1	5.51	60
HPA50100	5.0*1.0	5	3	3.4	8.57	25	HPA12125	12.0*1.25	12	9.5	1.6	4.06	60
HPA60050	6.0*0.5	6	5	1.2	2.80	30	HPA12150	12.0*1.5	12	9	1.9	5.00	60
HPA60075	6.0*0.75	6	4.5	1.9	4.77	30	HPA12020	12.0*2	12	8	2.7	6.96	60
HPA60100	6.0*1.0	6	4	2.7	6.92	30	HPA125125	12.5*1.25	12.5	10	1.5	3.89	60
HPA60150	6.0*1.5	6	3	4.4	11.36	30	HPA12515	12.5*1.5	12.5	9.5	1.8	4.84	60
HPA865125	6.5*1.25	6.5	4	3.1	8.30	30	HPA12517	12.5*1.7	12.5	9.1	2.0	5.59	60
HPA62200	6.2*2.0	6	2	6.7	16.74	30	HPA14015	14.0*1.5	14	11	1.6	4.22	75
HPA65100	6.5*1.0	6.5	4.5	2.4	6.40	30	HPA14020	14.0*2.0	14	10	2.2	5.83	75
HPA80100	8.0*1.0	8	6	1.9	5.00	40	HPA15010	15.0*1.0	15	13	1.0	2.53	90
HPA70100	7.0*1.0	7	5	2.2	5.90	40	HPA15015	15.0*1.5	15	12	1.5	3.92	90
HPA80125	8.0*1.25	8	5.5	2.5	6.42	40	HPA16015	16.0*1.5	16	13	1.2	3.65	100
HPA80150	8.0*1.5	8	5	3.1	8.00	40	HPA16020	16.0*2.0	16	12	1.9	5.00	100
HPA87100	8.7*1.0	8.7	6.7	1.52	4.60	40	HPA18015	18.0*1.5	18	15	1.2	3.21	100
HPA80200	8.0*2.0	8	4	4.5	11.43	40	HPA18020	18.0*2.0	18	14	1.7	4.40	100
HPA90150	9.0*1.5	9	6	2.7	6.92	40	HPA20020	20.0*2.0	20	16	1.5	3.92	
HPA10010	10.0*1	10	8	1.5	3.91	60	HPA22020	22.0*2.0	22	18	1.3	3.54	
HPA100125	10.0*1.25	10	7.5	1.9	4.98	60							



## AIR BRAKE TUBING SAE J844 NYLON



### Construction:

Material:

Type A – Single-wall extruded Nylon (polyamide)

Type B – Nylon (polyamide) core, fiber reinforcement,

Nylon (polyamide) cover/sheath

Operating Parameters

Temperature Range:-40°F (-40°C) to +200°F (93°C)

Working Pressure: 150 psi (10.3 bar)

### Product Features:

- 100% Pressure Tested
- Excellent UV Stability
- Abrasion Resistant
- Kink Resistant
- Increased dimensional stability
- Reduced manufacturing and labor costs
- Less downtime due to kinking failures
- Tubing maintains extended dimensional integrity

Item Code	O.D		I.D		Wall Thickness		B.P		R		kg
	inch	mm	inch	mm	inch	mm	psi	bar	inch	mm	kg
HSAEJ844-A-2	1/8"	3.2	0.079	2	0.023	0.6	1000	69	0.370	9.4	1.51
HSAEJ844-A-2.3	5/32"	4	0.092	2.3	0.032	0.8	1200	82.7	0.500	12.7	2.54
HSAEJ844-A-3	3/16"	4.8	0.118	3	0.035	0.9	1200	82.7	0.750	19.1	3.43
HSAEJ844-A-4	1/4"	6.4	0.170	4.3	0.040	1	1200	82.7	1.00	25.4	5.4
HSAEJ844-A-5	5/16"	7.9	0.232	5.9	0.040	1	1000	69	1.25	31.8	3.49
HSAEJ844-B-6	3/8"	9.5	0.251	6.4	0.062	1.6	1400	96.5	1.50	38.1	5.98
HSAEJ844-B-9	1/2"	12.7	0.376	9.6	0.062	1.6	950	65.5	2.00	50.8	8.67
HSAEJ844-B-11	5/8"	15.9	0.441	11.2	0.092	2.3	900	62.1	2.50	63.5	7.79
HSAEJ844-B-14	3/4"	19.1	0.566	14.4	0.092	2.3	800	55.2	3.00	76.2	9.56

## PNEUMATIC HOSE FITTINGS



**ORC**

FEM.PIPE	
Tube(Metric)-Thread(R)	
ORC-04-1/8	ORC-08-3/8
ORC-04-1/4	ORC-08-1/2
ORC-04-3/8	ORC-10-1/8
ORC-04-1/2	ORC-10-1/4
ORC-04-1/8	ORC-10-3/8
ORC-06-1/4	ORC-10-1/2
ORC-06-3/8	ORC-12-1/8
ORC-06-1/2	ORC-12-1/4
ORC-08-1/8	ORC-12-3/8
ORC-04-1/4	ORC-12-1/2



**ORB**

FEM.PIPE	
Tube(Metric)-Thread(R)	
ORB-04-1/8	ORB-08-3/8
ORB-04-1/4	ORB-08-1/2
ORB-04-3/8	ORB-10-1/8
ORB-04-1/2	ORB-10-1/4
ORB-04-1/8	ORB-10-3/8
ORB-06-1/4	ORB-10-1/2
ORB-06-3/8	ORB-12-1/8
ORB-06-1/2	ORB-12-1/4
ORB-08-1/8	ORB-12-3/8
ORB-04-1/4	ORB-12-1/2



**ORD**

FEM.PIPE	
Tube(Metric)-Thread(R)	
ORD-04-1/8	ORD-08-3/8
ORD-04-1/4	ORD-08-1/2
ORD-04-3/8	ORD-10-1/8
ORD-04-1/2	ORD-10-1/4
ORD-04-1/8	ORD-10-3/8
ORD-06-1/4	ORD-10-1/2
ORD-06-3/8	ORD-12-1/8
ORD-06-1/2	ORD-12-1/4
ORD-08-1/8	ORD-12-3/8
ORD-04-1/4	ORD-12-1/2



**ORL**

FEM.PIPE	
Tube(Metric)-Thread(R)	
ORL-04-1/8	ORL-08-3/8
ORL-04-1/4	ORL-08-1/2
ORL-04-3/8	ORL-10-1/8
ORL-04-1/2	ORL-10-1/4
ORL-04-1/8	ORL-10-3/8
ORL-06-1/4	ORL-10-1/2
ORL-06-3/8	ORL-12-1/8
ORL-06-1/2	ORL-12-1/4
ORL-08-1/8	ORL-12-3/8
ORL-04-1/4	ORL-12-1/2



**ORF**

MODEL(φD)	
Tube(Metric)	Tube(Inch)
ORF04	ORF12-10-12
ORF06	ORF5/32
ORF08	ORF3/16
ORF10	ORF1/4
ORF12	ORF5/16
ORF14	ORF3/8
ORF16	ORF1/2
ORF06-04-06	ORF3/16-5/32-3/16
ORF08-04-08	ORF1/4-3/16-1/4
ORF08-06-08	ORF5/16-1/4-5/16
ORF10-06-10	ORF3/8-5/16-3/8
ORF10-08-10	ORF1/2-3/8-1/2
ORF12-08-12	



**ORH**

MODEL(φD)	
Tube(Metric)	Tube(Inch)
ORH04	ORH5/32
ORH06	ORH3/16
ORH08	ORH1/4
ORH10	ORH5/16
ORH12	ORH3/8
ORH14	ORH1/2
ORH16	ORH3/16-5/32
ORH06-04	ORH1/4-3/16
ORH08-04	ORH5/16-1/4
ORH08-06	ORH3/8-5/16
ORH10-06	ORH1/2-3/8
ORH10-08	ORH12-08
ORH12-06	ORH12-10



**ORV**

MODEL(φD)	
Tube(Metric)	Tube(Inch)
ORV-04	ORV5/32
ORV-06	ORV3/16
ORV-08	ORV1/4
ORV-10	ORV5/16
ORV-12	ORV3/8
ORV-14	ORV1/2
ORV-16	



**ORV**

MODEL(φD)	
Tube(Metric)	Tube(Inch)
ORY-04	ORY5/32
ORY-06	ORY3/16
ORY-08	ORY1/4
ORY-10	ORY5/16
ORY-12	ORY3/8
ORY-14	ORY1/2
ORY-16	ORY3/16-5/32
ORY06-04	ORY1/4-3/16
ORY08-04	ORY3/8-5/16
ORY08-06	ORY1/2-3/8
ORY10-08	ORY12-10
ORY12-08	



**ORE**

MODEL(φD)	
Tube(Metric)	Tube(Inch)
ORE04	ORE12-10-12
ORE06	ORE5/32
ORE08	ORE3/16
ORE10	ORE1/4
ORE12	ORE5/16
ORE14	ORE3/8
ORE16	ORE1/2
ORE06-04-06	ORE3/16-5/32-3/16
ORE08-04-08	ORE1/4-3/16-1/4
ORE08-06-08	ORE5/16-1/4-5/16
ORE10-06-10	ORE3/8-5/16-3/8
ORE10-08-10	ORE1/2-3/8-1/2
ORE12-08-12	



**ORU**

MODEL(φD)	
Tube(Metric)	Tube(Inch)
ORU04	ORU5/32
ORU06	ORU3/16
ORU08	ORU1/4
ORU10	ORU5/16
ORU12	ORU3/8
ORU14	ORU1/2
ORU16	ORU3/16-5/32
ORU06-04	ORU1/4-3/16
ORU08-04	ORU5/16-1/4
ORU08-06	ORU3/8-5/16
ORU10-06	ORU1/2-3/8
ORU10-08	ORU12-08
ORU12-06	ORU12-10

## PNEUMATIC HOSE FITTINGS



FEM.PIPE	
Tube(Metric)-Thread(R)	
MPC-04-1/8	MPC-08-3/8
MPC-04-1/4	MPC-08-1/2
MPC-04-3/8	MPC-10-1/8
MPC-04-1/2	MPC-10-1/4
MPC-06-1/8	MPC-10-3/8
MPC-06-1/4	MPC-10-1/2
MPC-06-3/8	MPC-12-1/8
MPC-06-1/2	MPC-12-1/4
MPC-08-1/8	MPC-12-3/8
MPC-08-1/4	MPC-12-1/2



FEM.PIPE	
Tube(Metric)-Thread(R)	
MPT-04-1/8	MPT-08-3/8
MPT-04-1/4	MPT-08-1/2
MPT-04-3/8	MPT-10-1/8
MPT-04-1/2	MPT-10-1/4
MPT-06-1/8	MPT-10-3/8
MPT-06-1/4	MPT-10-1/2
MPT-06-3/8	MPT-12-1/8
MPT-06-1/2	MPT-12-1/4
MPT-08-1/8	MPT-12-3/8
MPT-08-1/4	MPT-12-1/2



FEM.PIPE	
Tube(Metric)-Thread(R)	
MPST-04-1/8	MPST-08-3/8
MPST-04-1/4	MPST-08-1/2
MPST-04-3/8	MPST-10-1/8
MPST-04-1/2	MPST-10-1/4
MPST-06-1/8	MPST-10-3/8
MPST-06-1/4	MPST-10-1/2
MPST-06-3/8	MPST-12-1/8
MPST-06-1/2	MPST-12-1/4
MPST-08-1/8	MPST-12-3/8
MPST-08-1/4	MPST-12-1/2



FEM.PIPE	
Tube(Metric)-Thread(R)	
MPL-04-1/8	MPL-08-3/8
MPL-04-1/4	MPL-08-1/2
MPL-04-3/8	MPL-10-1/8
MPL-04-1/2	MPL-10-1/4
MPL-06-1/8	MPL-10-3/8
MPL-06-1/4	MPL-10-1/2
MPL-06-3/8	MPL-12-1/8
MPL-06-1/2	MPL-12-1/4
MPL-08-1/8	MPL-12-3/8
MPL-08-1/4	MPL-12-1/2



MODEL(φD-φD)	
Tube(Metric)	Tube(Inch)
MPUC-04	MPUC5/32
MPUC-06	MPUC3/16
MPUC-08	MPUC1/4
MPUC-10	MPUC5/16
MPUC-12	MPUC3/8
MPUC-14	MPUC1/2
MPUC-16	



MODEL(φD-φD)	
Tube(Metric)	Tube(Inch)
MPUL-04	MPUL5/32
MPUL-06	MPUL3/16
MPUL-08	MPUL1/4
MPUL-10	MPUL5/16
MPUL-12	MPUL3/8
MPUL-14	MPUL1/2
MPUL-16	



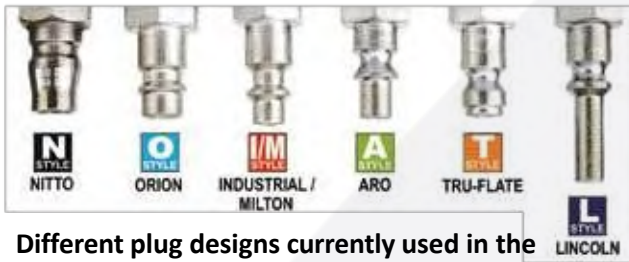
MODEL(φD-φD)	
Tube(Metric)	Tube(Inch)
MPUT-04	MPUT5/32
MPUT-06	MPUT3/16
MPUT-08	MPUT1/4
MPUT-10	MPUT5/16
MPUT-12	MPUT3/8
MPUT-16	MPUT1/2



MODEL(φD-φD)	
Tube(Metric)	Tube(Inch)
MPY-04	MPY5/32
MPY-06	MPY3/16
MPY-08	MPY1/4
MPY-10	MPY5/16
MPY-12	MPY3/8
MPY-16	MPY1/2

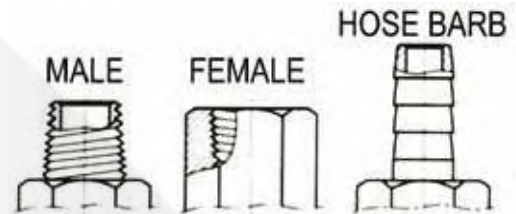
## PNEUMATIC HOSE FITTINGS

### THE BASIC PLUG TYPES



Different plug designs currently used in the automotive market. Interchangeability of pneumatic couplings is determined by plug design.

### FITTING TYPE



### Industrial/Milton Style Couplers and Plugs (I/M STYLE)

- Popular Body Size: 1/4", 3/8"
- Thread Type: Male, Female, Hose Barb
- Thread Size: 1/4" NPT, 3/8" NPT, 1/4" I.D. Hose Barb, 3/8" I.D. Hose Barb



### Tru-Flate Style Couplers and Plugs (T STYLE)

- Popular Body Size: 1/4", 3/8"
- Thread Type: Male, Female, Hose Barb
- Thread Size: 1/4" NPT, 3/8" NPT, 1/2" NPT, 1/4" I.D. Hose Barb, 3/8" I.D. Hose Barb



### Aro Style Couplers and Plugs (A STYLE)

- Popular Body Size: 1/4"
- Thread Type: Male, Female, Hose Barb
- Thread Size: 1/4" NPT, 1/4" I.D. Hose Barb



### Lincoln Style Couplers and Plugs (L STYLE)

- Popular Body Size: 1/4"
- Thread Type: Male, Female
- Thread Size: 1/4" NPT



### Orion Style Couplers and Plugs (O STYLE)

- Popular Body Size: 1/4"
- Thread Type: Male, Female, Hose Barb
- Thread Size: 1/4" NPT



### Nitto Style Couplers and Plugs (N STYLE)

- Popular Body Size: 1/4"
- Thread Type: Male, Female, Hose Barb, Lock-on Hose
- Thread Size: 1/4" NPT, 3/8" NPT, 1/2" NPT, 1/4", 3/8", 5/16", 1/2" I.D. Hose Barb



### Universal Couplers

One coupler fits the three most popular plugs. This coupler can be used with Tru-Milton and Aro Design plugs. It eliminates among designs. Quality, deluxe "push to" make coupling quick and easy. Heavy duty metal construction means! Unique tubular valve construction allows greater air flow.

- Popular Body Size: 1/4"
- Thread Type: Male, Female, Hose Barb
- Thread Size: 1/4" NPT, 3/8" NPT.



## PU STEEL WIRE DUCT HOSE



### Construction:

Wall: Top grade of ester base polyurethane

Spiral: Copper plated steel wire

### Application:

Ideally as suction and transport hose for abrasive solids such as dust, powders, wood chips, granulates, oil and fuel etc.







Also very suitable for ventilation system and industrial vacuum cleaner

### Characteristic:

- Very nice looking with transparent wall and copper plated steel wire
- Extremely abrasion-resistant

- High tensile and burst strength and tearing resistant
- Could be static electricity conductive by grounding the steel wire
- Resistant to oil and fuel
- Extremely flexible and compressible
- Small bending radius
- Free of plasticizer
- Free of halogen
- Various colors are available
- Different wall thickness are available
- Comply to RoHS

**Temperature:-** -40°C (-104 °F) to 90°C (+150 °F)

Item code									
	mm	light duty(mm)	medium duty(mm)	mm	light duty(bar)	medium duty(bar)	light duty(bar)	medium duty(bar)	m
HPUDH025	25	0.4	0.6	38	0.75	1.6	0.45	0.45	10
HPUDH032	32	0.4	0.6	47	0.7	1.6	0.4	0.4	10
HPUDH038	38	0.4	0.6	54	0.7	1.6	0.35	0.4	10
HPUDH040	40	0.4	0.6	56	0.65	1.5	0.35	0.35	10
HPUDH051	51	0.4	0.6	69	0.5	1.4	0.3	0.3	10
HPUDH060	60	0.4	0.6	81	0.5	1.2	0.25	0.25	10
HPUDH063	63	0.4	0.6	85	0.5	1.2	0.25	0.25	10
HPUDH070	70	0.4	0.6	94	0.45	1.1	0.22	0.23	10
HPUDH076	76	0.4	0.6	102	0.4	1	0.2	0.23	10
HPUDH080	80	0.4	0.6	107	0.4	0.9	0.15	0.2	10
HPUDH082	82	0.4	0.6	109	0.4	0.9	0.15	0.2	10
HPUDH090	90	0.4	0.6	119	0.35	0.8	0.14	0.18	10
HPUDH102	102	0.4	0.6	166	0.3	0.75	0.14	0.15	10
HPUDH115	115	0.4	0.6	186	0.28	0.65	0.13	0.15	10
HPUDH120	120	0.4	0.6	193	0.25	0.55	0.12	0.15	10
HPUDH127	127	0.4	0.6	204	0.25	0.5	0.1	0.13	10
HPUDH140	140	0.4	0.6	223	0.2	0.4	0.09	0.13	10
HPUDH152	152	0.4	0.6	241	0.15	0.3	0.08	0.12	10
HPUDH159	159	0.4	0.6	252	0.15	0.25	0.08	0.12	10
HPUDH178	178	0.4	0.6	280	0.12	0.23	0.06	0.1	10
HPUDH203	203	0.4	0.6	318	0.1	0.22	0.06	0.09	10
HPUDH254	254	0.4	0.6	394	0.06	0.2	0.04	0.08	10
HPUDH305	305	0.4	0.6	471	0.04	0.15	0.03	0.06	10



## PU HELIX DUCT HOSE



### Construction:

Wall: Top grade of polyurethane Spiral: Rigid PVC

### Application:

As suction and transport hose especially suitable for below substance:

Gaseous and liquid media







Abrasive solids such as dusts, powders, chips and grains

Also ideal as ventilation hose for air conditioning and ventilation system

**Temperature:** -40°C (-104 °F) to 90°C (+194 °F)

### Characteristic:

- Extremely tearing-resistant with rigid reinforced PVC helix
- Very abrasive
- Very smooth interior
- Very Flexible with low weight
- Extremely transparent
- Could be resistant to UV if requested
- Various sizes are available
- Comply to RoHS

Item Code	 I.D.		 O.D.	 Wall Thickness	 kg	 L	 M <sup>3</sup>
	Inch	mm	mm	mm	kg/m	M/roll	m <sup>3</sup>
HPU0025	1"	25	32	0.6	0.2	15	0.05
HPU0038	1-1/2"	38	45	0.6	0.26	15	0.07
HPU0050	2"	50	58	0.6	0.38	15	0.09
HPU0064	2-1/2"	63	68	0.6	0.42	15	0.09
HPU0076	3"	76	84	0.6	0.5	15	0.12
HPU0102	4"	102	108	0.6	0.7	15	0.42
HPU0127	5"	127	135	0.6	0.9	15	0.56
HPU0152	6"	152	160	0.6	1.05	15	0.73
HPU0177	7"	177	185	0.6	1.27	15	0.91
HPU0203	8"	203	210	0.6	1.4	10	1.02
HPU0254	10"	254	262	0.6	2.3	10	1.2
HPU0305	12"	305	314	0.6	2.5	10	1.6

## PVC STEEL WIRE HELIX DUCT HOSE



### Construction:

Wall: Soft PVC

Spiral: Steel wire PVC coated

### Application:

Especially ideal for ventilation, industrial vacuum cleaner, and granulate conveying systems.

As suction and transport hose suitable for below substance:







Gaseous medias such as vapors and smoke Liquid medias

Small granules such as dusts, powders and etc.

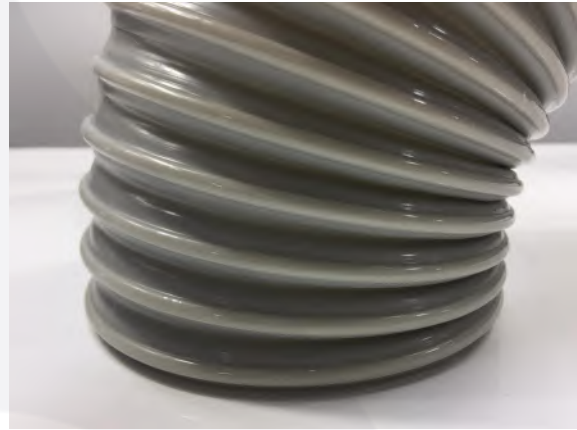
**Temperature:** -20°C (-70 °F) to 70°C (+150 °F)

### Characteristic:

- Highly flexible with low weight
- Extremely compressible
- Could be static electricity conductive by grounding the steel wire
- Smooth interior
- Highly transparent wall
- Small bending radius
- Comply to RoHS

Item code									
	mm	light duty (mm)	medium duty (mm)	mm	light duty (bar)	medium duty (bar)	light duty (bar)	medium duty (bar)	m
HPSDH025	25	0.4	0.6	38	0.5	1.5	0.25	0.45	10
HPSDH032	32	0.4	0.6	46	0.45	1.5	0.19	0.43	10
HPSDH038	38	0.4	0.6	53	0.4	1.4	0.18	0.4	10
HPSDH040	40	0.4	0.6	55	0.4	1.4	0.17	0.4	10
HPSDH051	51	0.4	0.6	67	0.35	1.3	0.15	0.3	10
HPSDH060	60	0.4	0.6	78	0.35	1.2	0.14	0.3	10
HPSDH063	63	0.4	0.6	84	0.3	1.2	0.13	0.3	10
HPSDH076	76	0.4	0.6	89	0.3	0.9	0.12	0.25	10
HPSDH080	80	0.4	0.6	105	0.25	0.9	0.1	0.25	10
HPSDH090	90	0.4	0.6	118	0.23	0.8	0.09	0.2	10
HPSDH102	102	0.4	0.6	165	0.2	0.7	0.08	0.2	10
HPSDH127	127	0.4	0.6	202	0.15	0.5	0.06	0.15	10
HPSDH140	140	0.4	0.6	222	0.1	0.4	0.06	0.13	10
HPSDH152	152	0.4	0.6	240	0.08	0.3	0.05	0.1	10
HPSDH159	159	0.4	0.6	250	0.07	0.28	0.05	0.09	10
HPSDH178	178	0.4	0.6	279	0.06	0.26	0.04	0.08	10
HPSDH203	203	0.4	0.6	316	0.05	0.23	0.03	0.08	10
HPSDH254	254	0.4	0.6	394	0.04	0.2	0.03	0.07	10
HPSDH305	305	0.4	0.6	472	0.03	0.16	0.02	0.06	10
HPSDH406	406	0.4	0.6	627	0.025	0.08	0.01	0.02	10

## PVC HELIX DUCT HOSE



### Construction:

Wall: Top grade of PVC

Spiral: Rigid PVC

### Application:

● As suction and transport hose especially suitable for below substance:







Gaseous and liquid media

- Abrasive solids such as dusts, powders, chips and grains
- Also ideal as ventilation hose for air conditioning and ventilation system

**Temperature:** -10°C to 65°C

### Characteristic:

- Extremely tearing-resistant with rigid reinforced PVC helix
- Very abrasive
- Very smooth interior
- Very Flexible with low weight
- Extremely transparent
- Could be resistant to UV if requested
- Various sizes are available
- Comply to RoHS

Item code	 I.D.	 Wall Thickness		 R	 W.P.		 VACUUM		 L
	mm	light duty (mm)	medium duty (mm)	mm	light duty (bar)	medium duty (bar)	light duty (bar)	medium duty (bar)	m
HPVD025	25	0.4	0.6	38	0.5	1.5	0.25	0.45	10
HPVD032	32	0.4	0.6	46	0.45	1.5	0.19	0.43	10
HPVD038	38	0.4	0.6	53	0.4	1.4	0.18	0.4	10
HPVD040	40	0.4	0.6	55	0.4	1.4	0.17	0.4	10
HPVD051	51	0.4	0.6	67	0.35	1.3	0.15	0.3	10
HPVD060	60	0.4	0.6	78	0.35	1.2	0.14	0.3	10
HPVD063	63	0.4	0.6	84	0.3	1.2	0.13	0.3	10
HPVD076	76	0.4	0.6	89	0.3	0.9	0.12	0.25	10
HPVD080	80	0.4	0.6	105	0.25	0.9	0.1	0.25	10
HPVD090	90	0.4	0.6	118	0.23	0.8	0.09	0.2	10
HPVD102	102	0.4	0.6	165	0.2	0.7	0.08	0.2	10
HPVD127	127	0.4	0.6	202	0.15	0.5	0.06	0.15	10
HPVD140	140	0.4	0.6	222	0.1	0.4	0.06	0.13	10
HPVD152	152	0.4	0.6	240	0.08	0.3	0.05	0.1	10
HPVD159	159	0.4	0.6	250	0.07	0.28	0.05	0.09	10
HPVD178	178	0.4	0.6	279	0.06	0.26	0.04	0.08	10
HPVD203	203	0.4	0.6	316	0.05	0.23	0.03	0.08	10
HPVD254	254	0.4	0.6	394	0.04	0.2	0.03	0.07	10
HPVD305	305	0.4	0.6	472	0.03	0.16	0.02	0.06	10
HPVD406	406	0.4	0.6	627	0.025	0.08	0.01	0.02	10

## SWIMMING POOL HOSE

**Construction:**

EVA and HDPE






**Application:**

As vacuum cleaner hose ideally for swimming pool

**Characteristic:**

- Highly flexible and floatable
- Smooth interior
- Crush proof structure
- Gas and liquid tight
- Small bending radius
- Extremely Tearing resistant
- High tensile strength
- Swivel cuffs rotates to eliminate kinks are available
- Comply to RoHS

**Temperature:** -20°C to +70°C (Short time to 80°C )


Item code					
	I.D	O.D	mm	VACUUM	L
	mm	mm	mm	bar	m
HSPH025	25	32	66	0.8	15
HSPH032	32	39	82	0.8	15
HSPH038	38	45	93	0.8	15
HSPH050	50	59	121	0.75	15
HSPH063	63	78	138	0.75	15
HSPH063	63	73	138	0.75	15

## VACCUUM CLEANER HOSE

**Construction:**

EVA and HDPE

**Application:**






As vacuum cleaner hose, especially suitable for:

- Industrial vacuum cleaners
- Family vacuum cleaners

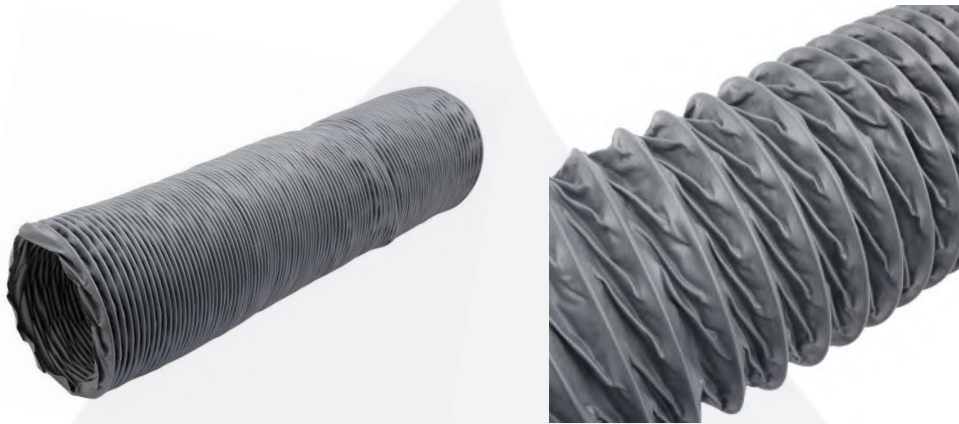
**Characteristic:**

- Different types are available
- Highly flexible, Crush-proof
- High tensile strength
- Extremely tearing resistant
- Antistatic option is available
- Gas and liquid tight
- Comply to RoHS

**Temperature:** -20°C to +70°C (Short time to 80°C )


Item code					
	I.D	O.D	mm	VACUUM	L
	mm	mm	mm	bar	m
HSPH032	32	39	82	0.8	15
HSPH038	38	45	93	0.8	15
HSPH045	45	53	111	0.75	15
HSPH051	50	59	121	0.75	15
HSPH063	63	72	138	0.75	15
HVCH063	63	73	138	0.75	15

## NYLON FABRIC DUCT HOSE



### Construction:

Wall: pvc coated polyester fabric

Spiral: steel wire helix

### Application:

As nylon fabric duct hose ideal for ventilation of fumes, dust extraction & collection, and air movement.

- Air conditioning and ventilation of fumes, light duty dust extraction, and air movement.
  - As a flexible connection between grilles, diffusers, fans and other air movement units
  - Suction of engine exhaust gas
  - Exhaust gas technique, engine construction, engine warming, aircraft construction and military construction
- For flue gas extraction, blast furnace exhaust and engine

test bench

### Features:

- Vibration resistant
- Tearing resistant
- High tensile strength
- Minimum weight
- Highly flexible and compressible up to 10:1
- Very small bending radius

### Temperature:

-20 to +80 degree centigrades

**Specification:** Inner diameter 2"-16"

**Length:** 10m/roll

## SILICONE COATED FIBERGLASS FABRIC DUCT HOSE



### Construction:

Spiral: Spring steel wire

Wall: Silicon coated glass fiber fabric Reinforcement:

Glass fiber cord **Application:**

Heat resistant silicone coated glass fiber fabric hose is designed for

- For transmission hot and cold air
- For printing machines, blowers and compressors
- For exhausting gas, engine construction, engine Warming, aircraft construction and military construction

### Features:

- Double-layer of silicone coated glass fiber fabric
- Extremely good heat resistance
- Leak-proof
- Smooth interior
- Highly flexible
- Small bending radius
- Kink-proof

### Temperature:

-70°C to +260°C Short time to +280°C

**Specification:** Inner Diameter: 1"-12"

**Length:** 4m/roll

## FLAME RETARDANT GLASS-FIBER DUCTING HOSE —RESISTANT TO 400°C



### Construction:

Wall: Silicon coated glass fiber fabric  
Clamped profile: Zinc plated steel slice

### Application:

Clamped high temperature resistant flame retardant duct hose, especially suitable:

- For suction of high temperature air in engine exhaust in industry
- For high temperature gaseous media like vapors and smoke
- In dryer, automotive, aerospace, shipbuilding, military
- As bellows and compensator

### Features:

- Very good resistance to high temperature up to 400°C

- Highly flexible and compressible
- External galvanized steel helix protects against crushing
- Firm clamping structure
- Good performance on working pressure
- Good resistance to chemical substance
- Small bending radius
- Flame-retardant
- Kink-proof
- Light weight

### Temperature:

-60°C to +400°C

**Specification:** Inner Diameter:2"-24"

**Length:**10m/roll

## PVC COATED POLYESTER FABRIC TUNNEL VENTILATION DUCT HOSE



### Construction:

Wall: High density polyester weave coated PVC on both sides

Spiral: Reinforced steel wire

Exterior spiral cover: PVC strip

### Application:

PVC coated polyester fabric tunnel ventilation duct hose,As ventilation duct hose ideal for:

- 1, Widely used in these working environment such as airport, tunnel,basement, waste gas exhaust out
- 2, Air conditioning and ventilation of fumes, light duty dust extraction,and air movement
- 3, As a flexible connection between grilles diffusers, fans and other air movement units

### Features:

- 1, Highly flexible
- 2, Flame retardant
- 3, Could be compressible and easy to carry
- 4, Oil, Acid &Alkali Resistant
- 5, Very small bending radius
- 6, Kink proof
- 7, Polyester fabric coated with PVC is leakage resistant
- 8, Steel wire spiral is abrasion resistant with strip cover
- 9, Various colors are available

**Temperature:**-20°C to +80°C

### Specification:

Inner Diameter:4"-48"

Length:20m/roll

## CAMLOCK QUICK COUPLING

Product specifications	
SIZE	MATERIAL
1/2"	ALUMINIUM/
3/4"	
1"	
1-1/4"	STAINLESS STEEL/
1-1/2"	
2"	BRASS/
2-1/2"	
3"	PP/
4"	
5"	NYLON
6"	
8"	



Type A: Male Adapter X Female



Type B: Female Coupler X Male



Type C: Female Coupler X Hose Shank



Type D: Female Coupler X Female



Type E: Male Coupler X Hose Shank



Type F: Male Adapter X Male



Type DC: Dust Cap



Type DP: Dust Plug

## STORZ NIPPLE MENDER

### Hose Tail (Aluminum/Brass)

Size
1"
1-1/2"
1-3/4"
2"
2-1/2"
3"
4"
6"



### Female /Male Thread (Aluminum/Brass)

Size
1-1/2"
1-3/4"
2"
2-1/2"
3"
4"
6"



### Blank Cap With Cap (Aluminum/Brass)

Size
1-1/2"
2"
2-1/2"
3"
4"



### Strainers (Carbon Steel)

Size
1"
2"
2-1/2"
3"
4"
6"
8"



### King Combination Nipple /KC Nipple

(Carbon Steel/Aluminium/Stainless Steel)

Size
1/2"
3/4"
1"
1-1/4"
1-1/2"
2"
2-1/2"
3"
4"
5"
6"
8"
10"
12"



### Hose Menders

(Carbon Steel/Aluminium/Stainless Steel)

Size
1/2"
3/4"
1"
1-1/4"
1-1/2"
2"
2-1/2"
3"
4"
5"
6"
8"
10"
12"





## HOSE CLAMP

### European type hose clamp

SIZE,MM	W1 thickness*	W2/W4 band width	Screw	SIZE,MM	W1 thickness*	W2/W4 band width	Screw
17-19	0.6*1.8	0.6*1.8	M5	86-91	1.5*24	0.8*24	M8
20-22				92-97			
23-25				98-103			
26-28				104-112			
29-31	0.8*20	0.6*20	M6	113-121	1.7*26	1.0*26	M10
32-35				122-130			
36-39				131-139			
40-43				140-148			
44-47	1.2*22	0.6*22	M6	149-161	1.7*26	1.0*26	M10
48-51				162-174			
52-55				175-187			
56-59				188-200			
60-63	1.5*24	0.8*24	M8	201-213	1.7*26	1.0*26	M10
64-67				214-226			
68-73				227-239			
74-79	1.5*24	0.8*24	M8	240-252	1.7*26	1.0*26	M10
80-85							



### American type hose clamp

SIZE,mm	Band width,mm	SIZE,mm	Band width,mm
6-10	8	33-57	12.7
8-12		40-63	
10-16		46-70	
12-20		52-78	
16-25		59-82	
14-27		65-89	
18-32		72-95	
10-20	12.7	78-101	12.7
10-22		84-108	
11-25		91-114	
14-27		105-127	
18-32		118-140	
21-38		130-152	
21-44		143-165	
27-51		155-178	



## HOSE CLAMP

### Double-bolt clamp

SIZE	Clamp Range		SIZE	Clamp Range	
	(min)	(max)		(min)	(max)
SL-22	20	22	SL-525	103	125
SL-29	22	29	SL-550	114	128
SL-34	28	34	SL-600	130	144
SL-40	32	40	SL-675	151	165
SL-49	39	49	SL-769	165	192
SL-60	48	60	SL-818	192	208
SL-76	60	76	SL-875	208	225
SL-94	76	94	SL-988	225	239
SL-115	94	115	SL-1125	252	289
SL-400	88	96	SL-1275	300	330
SL-463	96	103			



### Double-wire Hose Clamp

SIZE	Screw Length	SIZE	Screw Length
4-6	M4X20	51-55	M6X50
6-9	M4X20	55-60	M4X20
9-12	M4X20	60-65	M4X20
12-15	M4X20	65-70	M4X20
15-18	M4X20	71-80	M4X20
18-21	M4X20	81-90	M4X20
21-24	M6X35	91-100	M4X20
24-27	M6X35	101-110	M6X35
27-32	M6X50	111-120	M6X35
31-36	M6X50	121-130	M6X50
36-40	M6X50	131-140	M6X50
41-45	M6X50	141-150	M6X50
46-51	M6X50	151-160	M6X50



### Germany Type hose clamp

SIZE,mm	Band width,mm	SIZE,mm	Band width,mm
8-12	9/12	100-120	9/12
10-16		110-130	
12-20		120-140	
16-25		130-150	
20-32		140-160	
25-40		150-170	
32-50		160-180	
40-60		170-190	
50-70		180-200	
60-80		190-210	
70-90		200-220	
80-100		210-230	
90-110		230-250	





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