



RED HOSE FOR AGGRESSIVE CHEMICALS AND ACIDS

The hose used for suction and discharge of the aggressive chemicals and which do not affect at the P.T.F.E or E.C.T.F.E. lining and stainless steel 316.

APPLICATION

Ship to shore, tank truck, rail car, and petrochemical plant, loading and unloading of chemical cargoes.

INNER WIRE

Stainless steel 316

LINING

P.T.F.E/E.C.T.F.E

OUTER WIRE

Stainless steel 316/Galvanized steel

TEMPERATURE

-30⁰C to 100⁰C

Safety Factor

5:1

CERTIFICATE REGULATION

LLOYD'S REGISTER
EN13765: 2010

	BORE DIAMETER		MAX. W.P		BEND RADIUS		MAX. WEIGHT	MAX. LENGTH
	IN	MM	PSI	BAR	IN	MM	KG/M	M
1	1	25	150	10.5	7.9	200	1.4	21
2	1.5	40	150	10.5	7.9	200	1.6	21
3	2	50	150	10.5	8.9	225	3	25
4	2.5	65	150	10.5	8.9	225	3	25
5	3	80	200	14	14	350	5.2	30
6	4	100	200	14	16	400	7.8	30
7	5	125	200	14	23	575	10	30
8	6	150	200	14	23	575	12	30
9	8	200	200	14	31.5	800	18.5	30
10	10	250	150	10.5	39.5	1000	23.5	25
11	12	300	150	10.5	47.5	1200	30	15





GREEN HOSE FOR VARIOUS CHEMICALS

The hose used for suction and discharge of the various chemicals, which do not affect the propylene lining and stainless steel 316.

APPLICATION

Ship to shore, tank truck, rail car, and petrochemical plant, loading and unloading of chemical cargoes.

INNER WIRE

Stainless steel 316

LINING

Polypropylene fabrics

OUTER WIRE

Stainless steel 316

TEMPERATURE

-30°C to 80°C

Safety Factor

5:1

CERTIFICATE REGULATION

LLOYD'S REGISTER
EN13765: 2010

	BORE DIAMETER		MAX. W.P		BEND RADIUS		MAX. WEIGHT	MAX. LENGTH
	IN	MM	PSI	BAR	IN	MM	KG/M	M
1	1	25	150	10.5	7.9	200	1.4	21
2	1.5	40	150	10.5	7.9	200	1.6	21
3	2	50	150	10.5	8.9	225	3	25
4	2.5	65	150	10.5	8.9	225	3	25
5	3	80	200	14	14	350	5.2	30
6	4	100	200	14	16	400	7.8	30
7	5	125	200	14	23	575	10	30
8	6	150	200	14	23	575	12	30
9	8	200	200	14	31.5	800	18.5	30
10	10	250	150	10.5	39.5	1000	23.5	25
11	12	300	150	10.5	47.5	1200	30	15





BLUE HOSE FOR HYDROCARBONS, OILS, SOLVENTS, DIESEL, LUBRICATING OILS, PARAFFIN

The hose used for suction and discharge of the hydrocarbons, oils, solvents, diesel, and lubricating oils, paraffin.

APPLICATION

Ship to shore, tank truck, rail car, and petrochemical plant, loading and unloading for oil products.

INNER WIRE

Stainless steel 316

LINING

Polypropylene fabrics

OUTER WIRE

Stainless steel 316/Galvanized steel

TEMPERATURE

-30°C to 80°C **Safety Factor** 5:1

**CERTIFICATE
REGULATION**

**LLOYD'S REGISTER
EN13765: 2010**

	BORE DIAMETER		MAX. W.P		BEND RADIUS		MAX. WEIGHT	MAX. LENGTH
	IN	MM	PSI	BAR	IN	MM	KG/M	M
1	1	25	150	10.5	7.9	200	1.4	21
2	1.5	40	150	10.5	7.9	200	1.6	21
3	2	50	150	10.5	8.9	225	3	25
4	2.5	65	150	10.5	8.9	225	3	25
5	3	80	200	14	14	350	5.2	30
6	4	100	200	14	16	400	7.8	30
7	5	125	200	14	23	575	10	30
8	6	150	200	14	23	575	12	30
9	8	200	200	14	31.5	800	18.5	30
10	10	250	150	10.5	39.5	1000	23.5	25
11	12	300	150	10.5	47.5	1200	30	15





YELLOW HOSE FOR HYDROCARBON VAPOR RECOVERY TRANSFER ON TANK TRUCK LORRY STATION, SHIP, BARGES AND RAIL TANKER OPERATIONS.

The hose used for hydrocarbon vapor recovery transfer on tank truck lorry station, ship, barges and rail tanker operations.

APPLICATION

Ship to shore, vapor recovery, inert gas system (I.G. filling, Water ballast tank)

INNER WIRE

Stainless steel 316/ Galvanized steel

LINING

Polypropylene fabrics

OUTER WIRE

Stainless steel 316/Galvanized steel

TEMPERATURE

-30⁰C to 80⁰C

Safety Factor

5:1

**CERTIFICATE
REGULATION**

**LLOYD'S REGISTER
EN13765: 2010**

	BORE DIAMETER		MAX. W.P		BEND RADIUS		MAX. WEIGHT	MAX. LENGTH
	IN	MM	PSI	BAR	IN	MM	KG/M	M
1	1	25	100	7	7.9	200	1.4	21
2	1.5	40	100	7	7.9	200	1.5	21
3	2	50	100	7	8.9	225	2	25
4	2.5	65	100	7	8.9	225	3.5	25
5	3	80	100	7	14	350	4.8	30
6	4	100	100	7	16	400	5.3	30
7	5	125	100	7	23	575	8	30
8	6	150	100	7	23	575	9	30
9	8	200	100	7	31.5	800	12	30
10	10	250	100	7	39.5	1000	12.5	25
11	12	300	100	7	47.5	1200	26	15





LPG HOSE

APPLICATION

The hose used for transfer of ammonia, acetaldehyde, butane butadiene, propane, butylene, dimethylamine, ethylamine, ethyl chloride, methyl acetylene, methyl bromide propane, propylene propadiene, vinyl chloride, refrigerant gases, and liquid ethane at -88C, ethylene at -105C.

INNER WIRE

Stainless steel 316

LINING

Polypropylene fabrics

OUTER WIRE

Stainless steel 316

TEMPERATURE

-50°C to 50°C / -105°C to +50°C (Liquid ethylene)

Safety Factor 5:1

CERTIFICATE REGULATION

**LLOYD'S REGISTER
EN13766: 2010**

	BORE DIAMETER		MAX. W.P		BEND RADIUS		MAX. WEIGHT	MAX. LENGTH
	IN	MM	PSI	BAR	IN	MM	KG/M	M
1	1	25	319	21	5.9	150	0.9	21
2	1.5	40	319	21	7.9	200	1.5	21
3	2	50	319	21	7.9	225	2.3	25
4	2.5	65	319	21	7.9	225	4	25
5	3	80	319	21	10	250	5.4	30
6	4	100	319	21	20	500	6.7	30
7	5	125	319	21	22	550	10	30
8	6	150	319	21	26	660	15	30
9	8	200	319	21	36	910	20.1	30
10	10	250	150	10.5	59	1500	30.4	25
11	12	300	150	10.5	100	2500	35.4	15





LNG STS HOSE

The hose used for liquid nitrogen and LNG liquefied natural gases and specially designed for LNG to ship transfer purpose.

APPLICATION

- LNG ship to ship transfer
- LNG bunkering

INNER WIRE

Stainless steel 316

LINING

Polypropylene fabrics

OUTER WIRE

Stainless steel 316

TEMPERATURE

-196⁰C to 50⁰C

Safety Factor

5:1

CERTIFICATE

LLOYD'S REGISTER

REGULATION

EN1474-2: 2008

	BORE DIAMETER		MAX. W.P		BEND RADIUS		MAX. WEIGHT	MAX. LENGTH
	IN	MM	PSI	BAR	IN	MM	KG/M	M
1	1	25	150	10.5	5.9	150	0.9	21
2	1.5	40	150	10.5	7.9	200	1.5	21
3	2	50	150	10.5	7.9	225	2.3	25
4	2.5	65	150	10.5	7.9	225	4	25
5	3	80	150	10.5	10	250	5.4	30
6	4	100	150	10.5	20	500	6.7	30
7	5	125	150	10.5	22	550	10	30
8	6	150	150	10.5	26	660	15	30
9	8	200	150	10.5	36	910	20.1	30
10	10	250	150	10.5	59	1500	30.4	25
11	12	300	150	10.5	100	2500	35.4	15



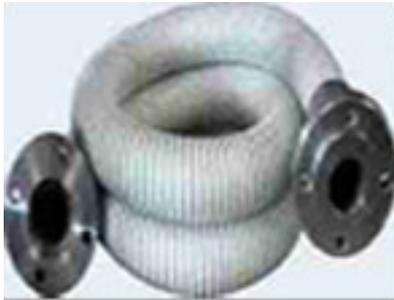


DRAIN HOSE

INNER WIRE	Stainless steel 316/Galvanized steel		
OUT COVER	Polypropylene white color		
LINING	Polypropylene fabrics		
OUTER WIRE	Stainless steel 316/Galvanized steel		
TEMPERATURE	-30 ⁰ C to 80 ⁰ C	Safety Factor	5:1
ELECTRICAL RESISTANCE	≤2.5 ohm/m for sizes under 50 mm. ≤1.0 ohm/m for size above 50 mm		
CERTIFICATE	LLOYD'S REGISTER		
REGULATION	EN1474-2: 2008		

	BORE DIAMETER		MAX. W.P		BEND RADIUS		MAX. WEIGHT
	IN	MM	PSI	BAR	IN	MM	
3	3	80	150	10	7	178	2.8
4	4	100	150	10	10	254	3.7
6	6	150	150	10	20	508	10.3
8	8	200	102	7	26	660	17
10	10	250	102	7	34	864	19.2





SUBMERSIBLE HOSE

APPLICATION

White submersible hose are used for submersible pumps .

INNER WIRE

Stainless steel 316/P.T.F.E.

OUT COVER

Polypropylene white color

LINING

Polypropylene fabrics/P.T.F.E.

OUTER WIRE

Stainless steel 316/Galvanized steel

TEMPERATURE

-30⁰C to 80⁰C

Safety Factor

5:1

ELECTRICAL RESISTANCE

≤2.5 ohm/m for sizes under 50 mm.

≤1.0 ohm/m for size above 50 mm

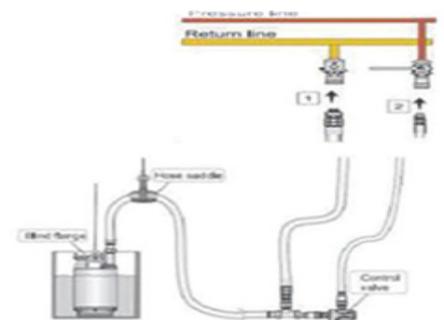
CERTIFICATE

LLOYD'S REGISTER

REGULATION

EN13765: 2010

	BORE DIAMETER		MAX. W.P		BEND RADIUS		MAX. WEIGHT	MAX. LENGTH
	IN	MM	PSI	BAR	IN	MM	KG/M	M
1	1	25	150	10.5	7.9	200	1.4	21
2	1.5	40	150	10.5	7.9	200	1.6	21
3	2	50	150	10.5	8.9	225	3	25
4	2.5	65	150	10.5	8.9	225	3	25
5	3	80	200	10.5	14	350	5.2	30
6	4	100	200	10.5	16	400	7.8	30
7	5	125	200	10.5	23	575	10	30
8	6	150	200	10.5	23	575	12	30
9	8	200	200	10.5	31.5	800	18.5	30
10	10	250	150	10.5	39.5	1000	23.5	25
11	12	300	150	10.5	47.5	1200	30	15





TANKLORRY HOSE

The hose are used for loading and unloading of tank lorry with the extremely flexible, lightweight and easy to handle and bend.

APPLICATION

Tank terminal, loading and unloading of chemicals and oil products.

INNER WIRE

Stainless steel 316/ Galvanized steel

OUT COVER

Polyester PVC coated

LINING

Polypropylene/E.C.T.F.E./P.T.F.E.

OUTER WIRE

Stainless steel 316/ Galvanized steel

TEMPERATURE

-30⁰C to 80⁰C

Safety Factor

5:1

CERTIFICATE

LLOYD'S REGISTER

	BORE DIAMETER		MAX. W.P		BEND RADIUS		MAX. WEIGHT	MAX. LENGTH
	IN	MM	PSI	BAR	IN	MM	KG/M	M
1	1	25	150	10.5	7.9	200	1.4	21
2	1.5	40	150	10.5	7.9	200	1.6	21
3	2	50	150	10.5	8.9	225	3	25
4	2.5	65	150	10.5	8.9	225	3	25
5	3	80	200	14	14	350	5.2	30
6	4	100	200	14	16	400	7.8	30





I.G. FILLING HOSE

APPLICATION

The hose are manufactured for universal application such as insert gas filling and cargo dome spool station line and warm and hot supply, vacuum cleaners, deck fan system and cargo educator system, IGG (inert gas generation)

CONSTRUCTION

Wall made of abrasion, microbes and hydrolysis resistant premium polyurethane, shore A ~85, PVC coated spring steel spiral embedded into wall.

TEMPERATURE

-40°C to 90°C

CERTIFICATE

LLOYD'S REGISTER

	BORE DIAMETER		MAX. W.P		BEND RADIUS		MAX. WEIGHT	MAX. LENGTH
	IN	MM	PSI	BAR	IN	MM	KG/M	M
1	8	200	5.8	0.4	9.9	252	3	12
2	10	250	5.8	0.4	12.2	312	3.8	21
3	12	300	5.8	0.4	14.6	372	4.5	12





HOSE REEL

APPLICATION

The hose reel is designed to transfer fluid and hose storage (air/water/oil/gas and etc.) for special ship, drilling rig, drill ship, land plant.

TYPE

Marine, offshore, onshore.

- Manual
- Auto
- Motor drive



FLANGE TYPE

TYPE	STANDARD	SIZE	MATERIAL
	ANSI JIS DIN TTMA	1" to 12"	Stub end carbon steel Stub end stainless steel Stub end brass Stub end Polypropylene Flange Carbon steel Flange stainless steel Flange Polypropylene Caron steel ferrule Stainless steel ferrule
	ANSI JIS DIN TTMA	1" to 12"	Stub end carbon steel Stub end stainless steel Stub end brass Stub end Polypropylene Flange Carbon steel Flange stainless steel Flange Polypropylene Caron steel ferrule Stainless steel ferrule
		1" to 6"	Aluminum Carbon steel Stainless steel Brass Polypropylene Caron steel ferrule Stainless steel ferrule
		1" to 4"	Aluminum Carbon steel Stainless steel Brass Polypropylene Caron steel ferrule Stainless steel ferrule

LAP JOINT	SLIP ON	SOCKET WINDOW
		
THREADED (SCREWED)	WELDING NECK	BLIND
		



TANK TRUCK HOSE

APPLICATION

The industry standard for tank truck, in-plant operations to transfer gasoline, oil and other petroleum base products up to 50% aromatic content.

TUBE

Nitrile synthetic rubber RMA class A (High oil resistance)

REINFORCEMENT

Spiral-plied synthetic fabric with helix wire

COVER

Black (or Red) abrasion, oil, weather & ozone resistant Neoprene rubber (Smooth cover)

TEMPERATURE	-30 ⁰ C to 80 ⁰ C	SAFETY FACTOR	4:1
MAX. LENGTH	1'~6' / 8' 60m/30m	VACUUM	737mmHg / 29inHg

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	1'	25.4	1.44	36.5	150	10	6	150
2	1 ¼'	31.8	1.69	42.9	150	10	8	200
3	1 ½'	38.2	1.94	49.2	150	10	10	250
4	2'	50.8	2.45	62.3	150	10	12	300
5	2 ½'	63.5	2.95	75.0	150	10	16	400
6	3'	76.2	3.48	88.3	150	10	20	500
7	4'	101.6	4.54	115.2	150	10	28	700
8	5'	127.0	5.63	143.1	150	10	40	1,000
9	6'	152.4	6.83	173.6	150	10	48	1,200
10	8'	203.2	8.94	227.1	150	10	64	1,600



FLEX TANK TRUCK HOSE

APPLICATION

The industry standard for tank truck, in-plant operations to transfer gasoline, oil and other petroleum base products under pressure or full-suction where maximum flexibility is needed.

TUBE

Nitrile synthetic rubber RMA class A (High oil resistance)

REINFORCEMENT

Spiral-plied synthetic fabric with helix wire

COVER

Black (or Red) abrasion, oil, weather & ozone resistant Neoprene synthetic rubber (Flat-corrugated cover)

TEMPERATURE	-30 ⁰ C to 80 ⁰ C	SAFETY FACTOR	4:1
MAX. LENGTH	60m	VACUUM	737mmHg / 29inHg

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	1 ½'	38.1	1.96	49.7	150	10	6	150
2	2'	50.8	2.45	62.3	150	10	8	200
3	2 ½'	63.5	2.95	75.0	150	10	10	250
4	3'	76.2	3.48	88.3	150	10	12	300
5	4'	101.6	4.54	115.2	150	10	16	400
6	5'	127.0	5.63	143.1	150	10	25	650
7	6'	152.4	6.83	173.6	150	10	30	750



OIL DISCHARGE HOSE

APPLICATION

The softwall hose is for the discharge of gasoline, oil and other petroleum based products on tank and docks.

TUBE

Nitrile synthetic rubber RMA class A (High oil resistance)

REINFORCEMENT

Spiral-plied synthetic fabric with static wire

COVER

Black (or Red) abrasion, oil, weather & ozone resistant Neoprene rubber

TEMPERATURE	-30 ⁰ C to 80 ⁰ C	SAFETY FACTOR	4:1
MAX. LENGTH	1'~6' / 8' 60m/30m		

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	2'	50.8	2.90	73.6	300	20	12	300
2	3'	76.2	3.95	100.4	300	20	20	500
3	4'	101.6	4.97	126.2	300	20	28	700
4	5'	127.0	6.04	153.5	300	20	40	1,000



DRY CEMENT SUCTION HOSE

APPLICATION

Used in the transfer of dry materials & slurries and ideal for dry cement, pebble, lime and other abrasive materials.

TUBE

Black abrasion resistant synthetic rubber

REINFORCEMENT

Spiral-plyed synthetic fabric with helix wire

COVER

Black abrasion, weather & ozone resistant synthetic rubber

TEMPERATURE	-30 ⁰ C to 80 ⁰ C	SAFETY FACTOR	3:1
MAX. LENGTH	60m	VACUUM	737mmHg / 29inHg

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	2'	50.8	2.90	73.6	300	20	12	300
2	3'	76.2	3.95	100.4	300	20	20	500
3	4'	101.6	4.97	126.2	300	20	28	700
4	5'	127.0	6.04	153.5	300	20	40	1,000



OIL HOSE

APPLICATION

The industry standard for tank truck, in-plant operations to transfer gasoline, oil and other petroleum base products up to 50% aromatic content.

TUBE

Nitrile synthetic rubber (RMA class A)

REINFORCEMENT

Spiral-plied synthetic fabric

COVER

Black abrasion, oil, weather & ozone resistant Neoprene synthetic rubber

TEMPERATURE	-30 ⁰ C to 80 ⁰ C	SAFETY FACTOR	4:1
MAX. LENGTH	60 m		

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	1 ¼'	31.8	1.64	41.7	150	10	13	330
2	1 ½'	38.2	1.89	48.0	150	10	15	380
3	1 ¾'	44.5	2.14	54.4	150	10	18	450
4	2'	50.8	2.39	60.7	150	10	20	500
5	2 ½'	63.5	2.89	73.4	100	7	25	650
6	3'	76.2	3.39	86.1	100	7	30	750
7	3 ½'	88.9	3.94	100.0	70	5	35	900
8	4'	101.6	4.47	113.5	70	5	40	1,000



AIR & WATER HOSE

APPLICATION

This Air & Water Hose is for a wide range of industrial, construction applications.

TUBE

Black NR/SBR

REINFORCEMENT

Spiral-plied synthetic fabric

COVER

Black abrasion, weather & ozone resistant synthetic rubber

TEMPERATURE	-30 ⁰ C to 80 ⁰ C	SAFETY FACTOR	4:1
MAX. LENGTH	60 m		

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	1 ¼'	31.8	1.68	42.6	150	10	13	330
2	1 ½'	38.1	1.93	48.9	150	10	15	380
3	1 ¾'	44.5	2.19	55.5	150	10	18	450
4	2'	50.8	2.45	62.2	150	10	20	500
5	2 ½'	63.5	2.99	75.9	100	7	25	650
6	3'	76.2	3.51	89.2	100	7	30	750
7	3 ½'	88.9	4.07	103.5	70	5	35	900
8	4'	101.6	4.59	116.6	70	5	40	1,000



SINGLE WELDING HOSE

APPLICATION	Oxygen, acetylene welding and cutting where separate lines are preferred.
TUBE	Black NR/SBR synthetic rubber
REINFORCEMENT	Spiral synthetic yarn
COVER	Yellow, Red, Green, Blue synthetic rubber

TEMPERATURE	-30 ⁰ C to 80 ⁰ C	SAFETY FACTOR	4:1
MAX. LENGTH	¼'~1/2', ¾' -100m	3/8'~1/2', 3/4' – 50m	

CERTIFICATE **ISO 9001, QS 9000, ISO 14001**

	I.D		O.D		MAX. W.P	
	in	mm	in	mm	psi	bar
1	¼'	6.4	0.54	13.8	200	14
2	5/16'	7.9	0.62	15.7	150	10
3	3/8'	9.5	0.70	17.8	150	10
4	½'	12.7	0.88	22.3	150	10
5	5/8'	15.9	1.04	26.4	150	10
6	¾'	19.1	1.18	30.0	100	7



OIL FIELD SUCTION HOSE

APPLICATION

Ideal for handling crude, brine, drilling, mud, tank bottoms, mild solutions of hydrochloric acids. Not recommended for refined petroleum products when aromatic content exceed 35%.

TUBE

Special black synthetic rubber

REINFORCEMENT

Spiral-plied synthetic fabric with dual helix wire

COVER

Black weather & ozone resistant synthetic rubber (Smooth cover)

TEMPERATURE	-30 ⁰ C to 80 ⁰ C	SAFETY FACTOR	3:1
MAX. LENGTH	60m	VACUUM	737mmHg / 29inHg

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	1 ½'	38.1	1.96	49.7	150	10	10	250
2	2'	50.8	2.47	62.8	150	10	12	300
3	2 ½'	63.5	2.97	75.5	150	10	16	400
4	3'	76.2	3.48	89.6	150	10	20	500
5	4'	101.6	4.55	115.6	150	10	28	700



FLEX OIL FIELD SUCTION HOSE

APPLICATION

Ideal for handling crude, brine, drilling, mud, tank bottoms, mild solutions of hydrochloric acids. Not recommended for refined petroleum products when aromatic content exceed 35%.

TUBE

Special black synthetic rubber

REINFORCEMENT

Spiral-plied synthetic fabric with dual helix wire

COVER

Black abrasion, weather & ozone resistant synthetic rubber (Flat-corrugated cover)

TEMPERATURE	-30 ⁰ C to 80 ⁰ C	SAFETY FACTOR	3:1
MAX. LENGTH	60m	VACUUM	737mmHg / 29inHg

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	1 ½'	38.1	1.97	50.1	150	10	6	150
2	2'	50.8	2.49	63.2	150	10	8	200
3	2 ½'	63.5	3.01	76.5	150	10	10	250
4	3'	76.2	3.54	89.8	150	10	12	300
5	4'	101.6	4.65	118.0	150	10	16	400
6	5'	127.0	5.65	143.6	150	10	25	650
7	6'	152.4	6.67	169.4	150	10	30	750



WATER SUCTION HOSE

APPLICATION

This hose is constructed with the highest quality compounds to provide maximum flexibility and lighter weight for easy handling.

TUBE

Black EPDM/SBR synthetic rubber

REINFORCEMENT

Spiral-plied synthetic fabric with helix wire

COVER

Black abrasion, weather & ozone resistant synthetic rubber (Smooth cover)

TEMPERATURE	-30 ⁰ C to 80 ⁰ C	SAFETY FACTOR	3:1
MAX. LENGTH	1'~6' . 8', 10'~12' -60m 1'~6' - 30m, 8' - 20m	VACUUM	737mmHg / 29inHg

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	1'	25.4	1.46	37.2	150	10	6	150
2	1 ¼'	31.8	1.72	43.6	150	10	8	200
3	1 ½'	38.1	1.96	49.9	150	10	10	250
4	2'	50.8	2.46	62.6	150	10	12	300
5	2 ½'	63.5	2.96	75.3	150	10	16	400
6	3'	76.2	3.50	89.0	150	10	20	500
7	4'	101.6	4.55	115.6	150	10	28	700
8	5'	127.0	5.67	144.1	150	10	40	1,000
9	6'	152.4	6.67	169.5	150	10	48	1,200
10	8'	203.2	8.89	225.7	150	10	64	1,600
11	10'	254.0	11.11	282.2	150	10	80	2,000
12	12'	304.8	13.19	335.0	150	10	110	2,750



LOW TEMP TANK TRUCK HOSE

APPLICATION

The hose is for use in low-temperature operations for transferring gasoline, oil and other petroleum base products.

TUBE

Low temperature oil resistant ECO rubber RMA class A (High oil resistance)

REINFORCEMENT

Spiral-plied fabric with dual helix wire

COVER

Blue low temperature oil resistant Neoprene rubber (Flat-corrugated cover)

TEMPERATURE	-54 ⁰ C to 80 ⁰ C	SAFETY FACTOR	4:1
MAX. LENGTH	60m	VACUUM	737mmHg / 29inHg

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	2'	50.8	2.50	63.4	150	10	8	200
2	2 ½'	63.5	3.00	76.1	150	10	10	250
3	3'	76.2	3.56	90.4	150	10	12	300
4	4'	101.6	4.68	118.8	150	10	16	400



LOW TEMP OIL DISCHARGE HOSE

APPLICATION

The softwall hose is for the discharge of gasoline, oil and other petroleum based products in low-temperature operations.

TUBE

Low temperature oil resistant ECO rubber RMA class A (High oil resistance)

REINFORCEMENT

Spiral-plied synthetic fabric with static wire

COVER

Blue low temperature oil resistant Neoprene rubber

TEMPERATURE	-54 ⁰ C to 80 ⁰ C	SAFETY FACTOR	4:1
MAX. LENGTH	60m	VACUUM	737mmHg / 29inHg

CERTIFICATE

ISO 9001, QS 9000, ISO 14001

	I.D		O.D		MAX. W.P		Bend Radius	
	in	mm	in	mm	psi	bar	in	mm
1	2'	50.8	2.50	63.4	150	10	8	200
2	2 ½'	63.5	3.00	76.1	150	10	10	250
3	3'	76.2	3.56	90.4	150	10	12	300
4	4'	101.6	4.68	118.8	150	10	16	400



PVC STANDARD DUTY SUCTION HOSE

F01

APPLICATION

General material handling Power, liquid & water transfer lines
Industrial, construction, agriculture & shipbuilding industries

FEATURES

- Abrasion resistant
- Excellent bending radius
- Corrugated rigid spiral helix reinforcement
- Smooth inner construction for unrestricted flow of materials
- Flexible & lightweight for easy transport

Normal Size		I.D		O.D		Std.Length		W.P (at20°C)	
mm	inch	mm	inch	mm	inch	m	ft	kg/cm ²	psi
016	5/8	15.9±0.5	0.625	21.1±1.0	0.803	20	60	4.2	60
019	3/4	19.0±0.5	0.748	24.8±1.0	0.976	30	90	4.0	55
025	1	25.0±0.5	1.000	30.4±1.0	1.196	50	150	4.0	55
032	1 1/4	31.7±0.5	1.248	37.6±1.0	1.480	50	150	4.0	55
038	1 1/2	38.0±0.5	1.5	44.8±1.0	1.799	50	150	3.5	50
050	2	50.8±1.0	2.0	59.1±1.5	2.326	50	150	3.5	50
065	2 1/2	63.5±1.0	2.5	70.8±1.5	2.877	50	150	3.0	45
075	3	76.2±1.0	3.0	87.5±1.5	2.877	50	150	3.0	45
100	4	101.6±1.5	4.0	116.6±2.0	4.590	30	90	3.0	45
150	6	152.4±1.5	6.0	167.2±2.0	6.614	20	60	2.5	35
200	8	203.2±1.5	8.0	223.8±2.0	8.811	10	30	2.0	35
250	10	254.0±2.0	10.0	276.7±2.5	10.893	10	30	1.5	20
300	12	304.8±2.0	12.0	330.1±2.5	12.996	10	30	1.0	15



STANDARD DUTY LAYFLAT HOSE D-01

APPLICATION

Economical general purpose Low pressure sprinkling Construction dewatering
Submersible pumping Industrial wash down Construction, industrial & pump industries

FEATURES

- Economical
- Excellent performance on flat ground
- 2~7kgf/cm² working pressure
- Lightweight and compact for economical storage
- 100 meter continuous, coiled

Normal Size		I.D		Wall Thickness		Std. Length		W.P (at20°C)	
mm	inch	mm	inch	mm	inch	m	ft	kg/cm ²	psi
025	1	26.5	1.043	1.4	0.055	100	300	7	100
032	1 1/4	33.5	1.319	1.4	0.055	100	300	6	85
040	1 1/2	40.0	1.575	1.4	0.055	100	300	5	70
050	2	52.0	2.047	1.4	0.055	100	300	4.5	65
065	2 1/2	65.0	2.559	1.5	0.059	100	300	4	55
075	3	77.0	3.031	1.5	0.059	100	300	4	55
100	4	103.0	4.055	1.5	0.059	100	300	4	55
125	5	128.0	5.039	1.8	0.071	100	300	3	45
150	6	153.0	6.024	1.8	0.071	100	300	3	45
200	8	205.0	8.150	2.1	0.083	100	300	3	45
250	10	252.2	10.197	2.3	0.091	50	100	2	30
300	12	302.0	12.126	2.5	0.098	50	100	2	30



SPRING HOSE

S 05

APPLICATION

High pressure feeder Industrial vacuum pumps Machine tools
lubrication lines Water & liquid transfer Manufacturing industrial &
machine shop industries

FEATURES

- Steel wire helix reinforcement for excellent vacuum and static dissipation
- Transparency for visual observation
- Cold weather resistant
- Chemical resistant
- Excellent flexibility

CERTIFIACTE

- NSF

	DESCRIPTION	M
1	8*13.5	50
2	12*18	50
3	15*22	50
4	19*26	50
5	25*33	50
6	32*41	40
7	38*48	40
8	50*62	40



PVC HEAVY DUTY SUCTION HOSE F-02

APPLICATION

High pressure general material handling Conveying dry & wet granule materials Industrial, agriculture, mining, construction & fishery industries Features

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

Normal Size		I.D		O.D		Std. Length		W.P (at20°C)	
mm	inch	mm	inch	mm	inch	m	ft	kg/cm ²	psi
025	1	25.4±0.5	1.0	30.4	1.196	50	150	5.0	70
032	1 1/4	31.7±0.5	1.248	37.1	1.460	50	150	5.0	70
038	1 1/2	38.1±0.5	1.5	44.1	1.736	50	150	4.5	65
050	2	50.8±1.0	2.0	58.3	2.295	50	150	4.5	65
065	2 1/2	63.5±1.0	2.5	72.1	2.838	50	150	4.0	55
075	3	76.2±1.0	3.0	85.0	3.346	50	150	4.0	55
100	4	101.6±1.5	4.0	112.6	4.433	30	90	4.0	55
125	5	127.0±1.5	5.0	138.4	5.448	30	90	3.0	55
150	6	152.4±1.5	6.0	166.2	6.543	20	60	3.0	55



CLEAR BRAIDED HOSE

B01

APPLICATION

- In plant equipment water supply & bilge drain lines
- Liquid and powder transport lines
- Food & beverage dispensing Industrial, food, beverage, agriculture & fishery industries

FEATURES

- Transparent & excellent flexibility
- Continuous permanent length marks for easy cutting

CERTIFIACTE

- FDA/ROHS/NSF

Normal Size		I.D		O.D		Std. Length		W.P (at 20°C)	
mm	Inch	mm	Inch	mm	Inch	m	ft	kg/ cm ³	psi
006	1/4	6.0	0.236	10.0	0.394	90	300	10	142
008	5/16	8.0	0.315	12.0	0.472	90	300	10	142
009	–	9.0	0.354	13.0	0.512	90	300	10	142
010	3/8	10.0	0.394	14.5	0.571	90	300	8	114
012	-	12.0	0.472	16.5	0.650	90	300	8	114
013	1/2	13.0	0.512	17.5	0.689	90	300	8	114
016	5/8	16.0	0.630	21.5	0.846	45	150	8	114
019	3/4	19.0	0.748	25.0	0.984	45	150	6	85
025	1	25.0	0.984	32.0	1.260	45	150	6	85
032	1 1/4	32.0	1.260	40.0	1.575	45	150	4	57
038	1 1/2	38.0	1.496	47.0	1.850	45	150	4	57
050	2	50.0	1.969	61.0	2.402	45	150	3	43



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