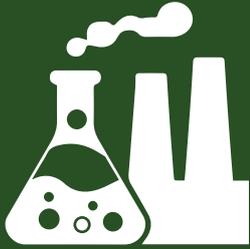




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# Aeroflex

**Polyhose**<sup>®</sup>  
Providing Flexible Solutions Globally

**Fp-FlexPower**

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PNEUMATIC SOLUTIONS



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## About Us

**AEROFLEX INDIA PRIVATE LIMITED**, established in 2007, specializes in the manufacturing and trading of automotive and industrial hydraulic hoses, fittings, and pneumatic systems. With a focus on customization to meet specific industrial needs, our products ensure quality and reliability. Our flagship brand, **POLYHOSE**, is recognized for its excellence in the industry.

### Our Expertise

Backed by a team of over 15 dedicated professionals with extensive experience in the hose industry, we guarantee precision and expertise in every product delivered. Our directors bring nearly three decades of industry experience, steering the company towards continuous growth and innovation.

### Our Commitment

Committed to quality and customer satisfaction, **AEROFLEX** adheres to the highest industrial standards and actively supports the MSME sector in alignment with government initiatives. Our ongoing training programs ensure our team remains at the forefront of technological advancements.

### Join Us in Excellence

At **AEROFLEX**, we strive for ease of doing business, providing top-quality hoses and fittings tailored to meet and exceed customer expectations.

#### MILESTONES



SINCE 2010



2024 (UNIT-II)





# HYDRAULIC HOSE SOLUTIONS



**3/16" TO 4" – R1, R2 | 150 PSI TO 6000 PSI**
**PH253 - R1AT / 1SN**

Applicable Standard : SAEJ517-100R1AT / EN 853-1SN / ISO 1436


**Construction**
**Inner tube** Black colour, Synthetic rubber resistant to oil and water

**Reinforcement** Single steel wire braid

**Cover** Black colour, Synthetic rubber resistant to abrasion and weather, oil & ozone

**Application** Medium Pressure Hydraulic Lines 10 to 250 bar. For use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural, Earthmoving & Material handling equipment and machineries/systems

Cover options	Temperature usage option
PH253 : MSHA	PH553 : Low temperature -55°C to + 100°C
PH248 : HARDX MSHA	PH255 : High temperature MSHA cover -40°C to +135°C
PH298 : ABRAZONX MSHA	PH291 : Ultra high temperature MSHA cover -40°C to +150°C

**Note : Sizes 2-1/2" to 4" are not covered under SAEJ517-100R1AT/EN 853-1SN**

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH253-03	-03	05	3/16	5.1	0.45	11.5	3625	250	14500	1000	3.5	90	0.205
PH253-04	-04	06	1/4	6.7	0.52	13.1	3265	225	13050	900	3.9	100	0.262
PH253-05	-05	08	5/16	8.2	0.58	14.7	3120	215	12470	860	4.5	115	0.283
PH253-06	-06	10	3/8	9.8	0.67	17.1	2610	180	10440	720	4.9	125	0.383
PH253-08	-08	12	1/2	13.1	0.80	20.2	2320	160	9280	640	7.1	180	0.438
PH253-10	-10	16	5/8	16.2	0.92	23.3	1885	130	7540	520	7.9	200	0.536
PH253-12	-12	19	3/4	19.3	1.07	27.3	1525	105	6090	420	9.4	240	0.675
PH253-16	-16	25	1	25.9	1.39	35.3	1305	90	5150	355	11.8	300	1.008
PH253-20	-20	31	1.1/4	32.4	1.69	43.0	945	65	3700	255	16.5	420	1.443
PH253-24	-24	38	1.1/2	38.7	1.97	50.1	725	50	2900	200	19.7	500	1.735
PH253-32	-32	51	2	51.3	2.50	63.4	580	40	2320	160	24.8	630	2.352
PH253-40	-40	63	2.1/2	63.5	2.99	76.0	580	40	2105	145	29.9	760	2.640
PH253-48	-48	76	3	76.2	3.56	90.5	510	35	2030	140	35.4	900	3.798
PH253-64	-64	100	4	101.6	4.61	117.0	145	10	580	40	46.1	1170	4.928


**Temperature Range:** Continuous: -40°C to +100°C Intermittent: +120°C  
**Impulse Cycles:** 150,000; Tested upto 300,000 cycles, upto 1" I.D

## PH254 - R2 AT / 2SN

Applicable Standard : SAE J517-100 R2AT / EN 853-2SN / ISO 1436



### Construction

**Inner tube** Black colour, Synthetic rubber resistant to oil and water

**Reinforcement** Double steel wire braids

**Cover** Black colour, Synthetic rubber resistant to abrasion and weather, oil & ozone. Available in Wrap and Smooth finish\*

**Application** High Pressure Hydraulic Lines 50 to 415 bar. For use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural, Earthmoving & Material handling equipment and machineries/systems

Cover options	Temperature usage option
PH254 : MSHA	PH554 : Low temperature -55°C to + 100°C
PH249 : HARDX MSHA	PH256 : High temperature MSHA cover -40°C to +135°C
PH299 : ABRAZONX MSHA	PH292 : Ultra high temperature MSHA cover -40°C to +150°C
<b>Note : Sizes 3" to 4" are not covered under SAEJ517-100R1AT/EN 853-2SN</b>	

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W kg/m
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	
PH254-03	-03	05	3/16	5.1	0.52	13.1	6020	415	24070	1660	3.5	90	0.319
PH254-04	-04	06	1/4	6.7	0.58	14.7	5800	400	23200	1600	3.9	100	0.386
PH254-05	-05	08	5/16	8.2	0.64	16.3	5075	350	20300	1400	4.5	115	0.458
PH254-06	-06	10	3/8	9.8	0.74	18.7	4785	330	19140	1320	4.9	125	0.590
PH254-08	-08	12	1/2	13.1	0.86	21.8	3990	275	15950	1100	7.1	180	0.679
PH254-10	-10	16	5/8	16.2	0.98	25.0	3625	250	14500	1000	7.9	200	0.825
PH254-12	-12	19	3/4	19.3	1.14	28.9	3120	215	12470	860	9.4	240	1.009
PH254-16	-16	25	1	25.9	1.48	37.5	2395	165	9570	660	11.8	300	1.457
PH254-20	-20	31	1.1/4	32.4	1.87	47.6	1815	125	7250	500	16.5	420	2.272
PH254-24	-24	38	1.1/2	38.7	2.13	54.0	1305	90	5220	360	19.7	500	2.620
PH254-32	-32	51	2	51.3	2.63	66.7	1160	80	4640	320	24.8	630	3.381
PH254-40	-40	63	2.1/2	63.5	3.15	80.0	1015	70	4060	280	29.9	760	4.443
PH254-48	-48	76	3	76.2	3.68	93.4	800	55	3190	220	35.4	900	5.459
PH254-64	-64	100	4	101.6	4.67	118.5	725	50	2900	200	46.5	1180	5.887



**Temperature Range:** Continuous: -40°C to +100°C Intermittent: +120°C

**Impulse Cycles:** 200,000; Tested upto 400,000 cycles, upto 1" I.D

**1/4" TO 3/4" HOSE | 1000 BAR TO 2800 BAR**

## PH902 - 2 SPIRALS OF HIGH TENSILE STEEL WIRE


**Construction**

**Inner tube** I.D 3mm - 8mm Polyoxymethylene (POM)  
I.D 10mm - 25mm Polyamide (PA)

**Reinforcement** 2 Spirals of high tensile steel wire

**Cover** Polyamide (PA) - Green

**Application** Water blast: Heat exchanger tube cleaning

Hydraulics: Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

Item Code	DN	ID		OD	WP		BP		BR/r	W
		inch	mm	mm	psi	bar	psi	bar	mm	g/m
PH902-02	3	1/8	3.4	6.9	14,500	1,000	36,250	2,500	60	72
PH902-025	4	5/32	4.0	8.0	17,400	1,200	43,500	3,000	75	110
PH902-03	5	3/16	5.0	9.4	15,080	1,040	37,700	2,600	95	125
PH902-04	6	1/4	6.3	11.5	14,500	1,000	36,250	2,500	110	175
PH902-05	8	5/16	8.1	13.3	13,050	900	32,625	2,250	130	200
PH902-06	10	3/8	10.1	15.5	10,005	690	25,010	1,725	160	280
PH902-08	12	1/2	12.9	19.3	10,005	690	25,010	1,725	200	435
PH902-12	20	3/4	19.0	26.2	7,540	520	18,850	1,300	240	750
PH902-16	25	1	24.8	33.5	6,380	440	15,950	1,100	300	950

**Temperature Range:** Continuous: -30°C to +60°C

Note: Production related variations of Burst Pressure of upto 10% possible. Indicated working pressure refers to hose only. Depending on the end connectors used, the permitted working pressure of hose assembly may be less

## PH902P - 2 SPIRALS OF HIGH TENSILE STEEL WIRE, 1 BRAID OF STEEL WIRE


**Construction**

**Inner tube** Polyamide (PA)

**Reinforcement** 2 Spirals of high-tensile steel wire ,1 braid of steel wire

**Cover** Polyurethane (PUR) - Black

**Application** Hydraulics: Hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

Oil and Gas: Grease injection, control of subsea hydraulic components

Item Code	DN	ID		OD	WP		BP		BR/r	W
		inch	mm	mm	psi	bar	psi	bar	mm	g/m
PH902P-025	4	5/32	4.0	9.8	17,400	1,200	43,500	3,000	65	185
PH902P-04	6	1/4	6.2	12.9	16,240	1,120	40,600	2,800	95	300

**Temperature Range:** Continuous: -30°C to +60°C

Note: Production related variations of Burst Pressure of upto 10% possible. Indicated working pressure refers to hose only. Depending on the end connectors used, the permitted working pressure of hose assembly may be less

## PH902Q / PH902QL / PH902QZ- 4 SPIRALS OF HIGH TENSILE STEEL WIRE, 2 DENSE AND 2 OPEN LAYERS



**Construction**

**Inner tube** Polyamide (PA)

**Reinforcement** 4 Spirals of high-tensile steel wire, 2 dense and 2 open layers

**Cover** Polyurethane (PUR) -for PH902Q & PH902QL- Black Colour and for PH902QZ - Silver colour

**Application** Water Blast: Heat exchanger tube cleaning

Hydraulics: Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

Oil and Gas: Grease injection, control of subsea hydraulic components

Item Code	DN	ID		OD	WP		BP		BR/r	W
		inch	mm	mm	psi	bar	psi	bar	mm	g/m
PH902Q-025	4	5/32	4.0	9.8	20,300	1,400	50,750	3,500	65	160
PH902Q-04	6	1/4	6.0	12.0	18,560	1,280	46,400	3,200	95	230
PH902Q-05	8	5/16	8.0	14.3	15,080	1,040	37,700	2,600	110	314
PH902Q-06	10	3/8	10.0	17.2	15,950	1,100	40,020	2,760	125	430
PH902Q-08	12	1/2	12.8	20.8	15,080	1,040	37,700	2,600	150	590
PH902Q-12	20	3/4	18.8	29.5	11,020	760	27,550	1,900	220	1160
PH902Q-16	25	1	25.0	35.6	9,280	640	23,200	1,600	280	1490
PH902QL-04	6	1/4	5.9	12.0	17,400	1200	43,500	3,000	80	240
PH902QZ-05	8	5/16	8.0	16.0	15,080	1040	37,700	2,600	110	400
PH902QZ-08	12	1/2	12.8	22.2	15,080	1040	37,700	2,600	150	600

**Temperature Range:** Continuous: -30°C to +60°C

Note: Production related variations of Burst Pressure of upto 10% possible. Indicated working pressure refers to hose only. Depending on the end connectors used, the permitted working pressure of hose assembly may be less

## PH903 - 2 SPIRALS OF HIGH TENSILE STEEL WIRE, 1 BRAID OF G.I STEEL WIRE



**Construction**

**Inner tube** Polytetrafluoroethylene (PTFE)

**Reinforcement** 2 Spirals of high-tensile steel wire ,1 braid of G.I steel wire

**Safety factors** up to 50 °C - 1,0 / up to 100°C - 0,95 / up to 150°C - 0,9 / up to 200°C - 0,83  
**for higher temperatures**

**Application** Automotive: Hot Melt Adhesives / Hot Glue Dispensing, Injection Molding, Chemical Transfer / Paint Transfer, Robotic Systems, Compressed Gas

Item Code	DN	ID		OD	WP		BP		BR/r	W
		inch	mm	mm	psi	bar	psi	bar	mm	g/m
PH903-04	6	1/4	6.2	11.2	7,250	500	29,000	2,000	60	270
PH903-05	8	5/16	8.0	13.4	6,880	475	27,500	1,900	85	345
PH903-06	10	3/8	10.0	15.7	6,525	450	26,100	1,800	110	500
PH903-08	12	1/2	12.2	18.8	6,520	450	26,100	1,800	150	600
PH903-10	16	5/8	15.1	21.6	5,800	400	23,200	1,600	175	700
PH903-12	20	3/4	20.2	27.5	4,350	300	17,400	1,200	200	1055
PH903-16	25	1	24.2	31.4	3,980	275	15,950	1,100	240	1205
PH903-20	32	1 1/4	32.0	39.0	3,620	250	14,500	1,000	280	1600

**Temperature Range:** Continuous: -70°C to +200°C

Note : Production related variations of Burst Pressure of upto 10% possible. Indicated working pressure refers to hose only. Depending on the end connectors used, the permitted working pressure of hose assembly may be less

**Important Information!**

PH903 series hoses are intended for being used as basic hoses for heating hose systems. They do not have an outer cover and the wires are not protected against corrosion. It is not allowed to use these hoses in a “normal” hose assembly without taking the right steps to prevent the corrosion of the wires because there exists the risk of injury as well as the possibility of the failure of the hose assembly.

PH903 series hoses are available as a special execution with a plastic outer cover. For further information, please contact manufacturer

## PH904 - 4 SPIRALS OF HIGH TENSILE STEEL WIRE



### Construction

**Inner tube** I.D 3mm - 10mm Polyoxymethylene (POM)  
I.D 13mm - 25mm Polyamide (PA)

**Reinforcement** 4 Spirals of high tensile steel wire

**Cover** Polyamide (PA) - Grey

**Application** Waterblast: Heat exchanger tube cleaning

Hydraulics: Bolt tensioning, pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

Oil and Gas: Grease injection, chemical injection, control of subsea hydraulic components, nitrogen service, gaseous media handling

Item Code	DN	ID		OD	WP		BP		BR/r	W
		inch	mm	mm	psi	bar	psi	bar	mm	g/m
PH904-02	3	1/8	3.4	8.0	29,000	2,000	72,500	5,000	110	135
PH904-025	4	5/32	4.0	10.3	31,900	2,200	79,750	5,500	130	234
PH904-03	5	3/16	5.0	11.2	26,100	1,800	65,250	4,500	150	260
PH904-04	6	1/4	6.3	12.6	21,750	1,500	54,370	3,750	180	295
PH904-05	8	5/16	8.0	14.6	21,750	1,500	54,370	3,750	200	390
PH904-06	10	3/8	9.9	18.4	21,750	1,500	54,370	3,750	200	690
PH904-08	12	1/2	12.8	21.4	18,850	1,300	47,125	3,250	200	800
PH904-10	16	5/8	16.0	25.5	15,080	1,040	37,700	2,600	250	1002
PH904-12	20	3/4	18.8	28.8	15,080	1,040	37,700	2,600	250	1350
PH904-16	25	1	24.8	36.3	13,050	900	32,625	2,250	300	1715



**Temperature Range:** Continuous: -30°C to +60°C

Note: Production related variations of Burst Pressure of upto 10% possible. Indicated working pressure refers to hose only. Depending on the end connectors used, the permitted working pressure of hose assembly may be less

## PH904R - 4 SPIRALS OF HIGH TENSILE STEEL WIRE



### Construction

**Inner tube** Polyamide (PA)

**Reinforcement** 4 Spirals of high tensile steel wire

**Cover** Polyamide (PA) - Red

**Application** Waterblast: Heat exchanger tube cleaning, surface preparation (Concrete removal, surface cleaning of buildings, paint removal), tank and vessel cleaning, ultra high pressure waterjet cutting and hydro demolition (cutting and demolition of armoured concrete, pipelines, paper or steel)

Hydraulics: Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

Oil and Gas: Grease injection, chemical injection, control of subsea hydraulic components, nitrogen service, gaseous media handling

Item Code	DN	ID		OD	WP		BP		BR/r	W
		inch	mm	mm	psi	bar	psi	bar	mm	g/m
PH904R-08	12	1/2	12.8	22	20,300	1,400	50,750	3,500	200	900



**Temperature Range:** Continuous: -30°C to +60°C

Note: Production related variations of Burst Pressure of upto 10% possible. Indicated working pressure refers to hose only. Depending on the end connectors used, the permitted working pressure of hose assembly may be less

## PH906 - 6 SPIRALS OF HIGH TENSILE STEEL WIRE



**Construction**

**Inner tube** I.D 3mm to 10mm Polyoxymethylene (POM)  
I.D 13mm to 25mm Polyamide (PA)

**Reinforcement** 6 Spirals of high tensile steel wire

**Cover** Polyamide (PA) - Dark Blue

**Application** Water blast: Surface preparation (Concrete removal, surface cleaning of buildings, paint removal), tank and vessel cleaning, ultra high-pressure waterjet cutting and hydro demolition (cutting and demolition of armoured concrete, pipelines, paper or steel)  
Hydraulics: Hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

Item Code	DN	ID		OD	WP		BP		BR/r	W
		inch	mm	mm	psi	bar	psi	bar	mm	g/m
PH906-02	3	1/8	3.0	9.1	40,600	2,800	101,500	7,000	150	222
PH906-025	4	5/32	4.0	11.5	40,600	2,800	101,500	7,000	175	365
PH906-03	5	3/16	4.8	13.2	36,250	2,500	90,625	6,250	200	450
PH906-05	8	5/16	8.0	16.4	30,450	2,100	76,125	5,250	250	640
PH906-06	10	3/8	9.8	20.4	27,840	1,920	69,600	4,800	250	1000
PH906-08	12	1/2	12.8	23.4	26,100	1,800	65,250	4,500	300	1160
PH906-10	16	5/8	15.9	27.7	22,040	1,520	55,100	3,800	320	1480
PH906-12	20	3/4	18.8	32.8	20,300	1,400	50,750	3,500	350	2170
PH906-16	25	1	24.8	39.8	20,300	1,400	43,500	3,000	600	2800

**Temperature Range:** Continuous: -30°C to +60°C

Note: Production related variations of Burst Pressure of upto 10% possible. Indicated working pressure refers to hose only. Depending on the end connectors used, the permitted working pressure of hose assembly may be less

## PH906R - 6 SPIRALS OF HIGH TENSILE STEEL WIRE



**Construction**

**Inner tube** Polyoxymethylene (POM)

**Reinforcement** 6 Spirals of high tensile steel wire

**Cover** Polyamide (PA) - Red

**Application** Water blast: Heat exchanger tube cleaning, surface preparation (concrete removal, surface cleaning of the buildings, paint removal), tank and vessel cleaning, ultra high-pressure water jet cutting and hydro demolition (cutting and demolition of armoured concrete, pipelines, paper or steel)  
Hydraulics: Bolt tensioning, pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)  
Oil and Gas: Grease injection, nitrogen service

Item Code	DN	ID		OD	WP		BP		BR/r	W
		inch	mm	mm	psi	bar	psi	bar	mm	g/m
PH906R-03	5	3/16	4.6	14.4	40,600	2,800	101,500	7,000	220	600
PH906R-04	6	1/4	5.9	16.4	40,600	2,800	101,500	7,000	250	800
PH906R-05	8	5/16	7.7	18.8	36,250	2,500	90,625	6,250	260	950
PH906R-08	12	1/2	12.7	24.8	29,000	2,000	72,500	5,000	300	1200

**Temperature Range:** Continuous: -30°C to +60°C

Note: Production related variations of Burst Pressure of upto 10% possible. Indicated working pressure refers to hose only. Depending on the end connectors used, the permitted working pressure of hose assembly may be less

## PH908 - 8 SPIRALS OF HIGH TENSILE STEEL WIRE


**Construction**
**Inner tube** Polyoxymethylene (POM)

**Reinforcement** 8 Spirals of high tensile steel wire

**Cover** Polyamide (PA) - Yellow

**Application** Water blast: Heat exchanger tube cleaning, surface preparation (Concrete removal, surface cleaning of buildings, paint removal), tank and vessel cleaning, ultra high - pressure waterjet cutting and hydro demolition (cutting and demolition of armoured concrete, pipelines, paper or steel)  
 Hydraulics: Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools), hydroforming  
 Oil and Gas: Gaseous media handling

Item Code	DN	ID		OD		WP		BP		BR/r		W
		inch	mm	mm	mm	psi	bar	psi	bar	mm	g/m	
PH908-025	4	5/32	4.0	12.8	46,400	3,200	116,000	8,000	175	540		
PH908-03	5	3/16	4.5	15.3	46,400	3,200	116,000	8,000	250	700		
PH908-04	6	1/4	5.8	18.6	46,400	3,200	116,000	8,000	280	1100		
PH908-05	8	5/16	7.6	22.0	46,400	3,200	107,300	7,400	300	1500		
PH908-08	12	1/2	12.8	27.7	40,600	2,800	87,000	6,000	350	2100		
PH908-10	16	5/8	15.9	31.8	29,000	2,000	72,500	5,000	400	2600		

**Temperature Range:** Continuous: -30°C to +60°C

Note: Production related variations of Burst Pressure of upto 10% possible. Indicated working pressure refers to hose only. Depending on the end connectors used, the permitted working pressure of hose assembly may be less

## PTFE (POLYTETRAFLUOROETHYLENE) HOSE

### 1/8" TO 1" HOSE | 40 BAR TO 350 BAR

## PH179 - R14

Applicable Standard: SAE J517 - 100R14

**Construction**
**Inner tube** Sintered tube of polytetrafluoroethylene (P.T.F.E)

**Reinforcement** Single braid of 304 series of stainless steel wire

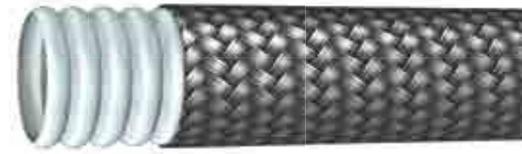
**Application** P.T.F.E hose has an excellent temperature characteristics both in high and low temperature, Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria


Note: Double braided available for higher performance, please check our part # PH381

Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH179-3	-3	1.00	1/8	3.35	0.252	6.4	3,260	225	13,040	900	1.6	40	65
PH179-4	-4	0.75	3/16	4.83	0.300	7.6	3,000	210	12,000	840	2.0	50	84
PH179-5	-5	0.65	1/4	6.48	0.380	9.7	3,000	210	12,000	840	3.0	75	121
PH179-6	-6	0.75	5/16	8.00	0.440	11.2	2,500	175	10,000	700	4.0	100	163
PH179-7	-7	0.75	3/8	9.65	0.495	12.6	2,400	165	9,600	660	5.0	125	170
PH179-8	-8	0.75	13/32	10.41	0.543	13.8	2,000	140	8,000	560	5.3	135	185
PH179-10	-10	0.75	1/2	12.83	0.650	16.5	1,750	120	7,000	480	6.5	165	234
PH179-12	-12	0.90	5/8	16.00	0.765	19.43	1,270	88	5,080	352	8.0	200	318
PH179-14	-14	0.90	3/4	19.18	0.900	22.9	1,100	75	4,400	300	9.1	230	395
PH179-16	-16	1.00	7/8	22.23	1.030	26.2	900	62	3,600	248	9.1	230	462
PH179-18	-18	1.05	1	25.53	1.148	29.15	900	62	3,600	248	11.8	300	528
PH179-20	-20	1.20	1.1/8	28.58	1.293	32.85	630	44	2,520	176	16.1	410	585

**Temperature Range:** Continuous: -54°C to +260°C

## PH370 - PTFE - CONVOLUTED HOSE



### Construction

**Inner tube** Helically convoluted sintered tube of polytetrafluoroethylene (P.T.F.E)

**Reinforcement** Single braid of 304/316 series of stainless steel wire

**Application** P.T.F.E hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria in automotive, chemical, pharmaceutical & food processing, plastic & rubber molding machines. Also for some applications the tube can also be made conductive to dissipate electro-static charges

Note: Working and burst pressure are at 20°C Temperature

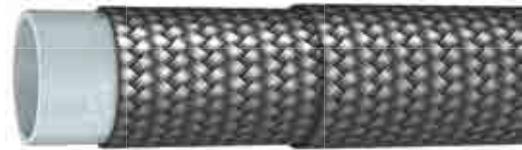
Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W g/m
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	
PH370-04	-4	0.75	1/4	6.60	0.410	10.4	2,500	175	10,000	700	0.8	20	149
PH370-05	-5	0.75	5/16	8.18	0.490	12.4	2,300	160	9,200	640	0.8	20	170
PH370-06	-6	0.75	3/8	9.65	0.540	13.7	1,740	120	6,960	480	0.8	20	182
PH370-08	-8	0.75	1/2	12.83	0.725	18.4	1,595	110	6,380	440	1.0	25	289
PH370-10	-10	0.80	5/8	16.00	0.827	21.0	1,450	100	5,800	400	2.0	50	349
PH370-12	-12	0.90	3/4	19.18	1.020	25.9	1,160	80	4,640	320	2.6	65	494
PH370-14	-14	1.00	7/8	22.23	1.170	29.7	870	60	3,480	240	3.1	80	565
PH370-16	-16	1.00	1	25.53	1.331	33.8	800	55	3,200	220	3.6	90	677
PH370-20	-20	1.00	1.1/4	31.88	1.680	42.7	665	45	2,660	180	4.4	110	891
PH370-24	-24	1.00	1.1/2	38.23	1.890	48.0	510	35	2,040	140	6.0	150	959
PH370-32	-32	1.10	2	50.93	2.420	61.5	365	25	1,460	100	8.0	200	1309
PH370-48	-48	1.30	3	76.00	3.504	89.0	236	16	945	65	12.2	310	1550



Temperature Range: Continuous: -54°C to +260°C

## PH381 - R14 2W

Applicable Standard: Exceeds SAE J517 - 100R14 pressure requirements



### Construction

**Inner tube** Sintered tube of polytetrafluoroethylene (P.T.F.E)

**Reinforcement** Double braids of 304 series of stainless steel wire

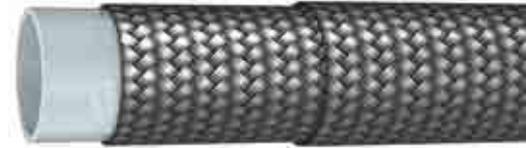
**Application** P.T.F.E hose has an excellent temperature characteristics both in high and low temperature, Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria

Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W g/m
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	
PH381-3	-3	1.00	1/8	3.0	0.300	7.6	4,495	310	17,980	1,240	2.0	50	140
PH381-4	-4	0.75	3/16	4.8	0.360	9.1	3,770	260	15,080	1,040	2.6	65	187
PH381-5	-5	0.65	1/4	6.4	0.410	10.4	3,600	250	14,400	1,000	3.8	95	225
PH381-6	-6	0.75	5/16	8.0	0.510	13.0	3,500	245	14,000	980	5.0	125	287
PH381-7	-7	0.75	3/8	9.5	0.565	14.4	3,330	230	13,320	920	6.4	160	336
PH381-8	-8	0.75	13/32	10.5	0.595	15.1	2,750	190	11,000	760	7.0	175	395
PH381-10	-10	0.75	1/2	12.7	0.700	17.8	2,300	160	9,200	640	8.4	210	444
PH381-12	-12	0.90	5/8	16.0	0.855	21.7	1,600	110	6,400	440	10.8	270	583
PH381-14	-14	0.90	3/4	19.0	0.970	24.6	1,380	95	5,520	380	12.0	300	742
PH381-16	-16	1.00	7/8	22.2	1.090	27.7	1,160	80	4,650	320	12.4	310	810
PH381-18	-18	1.05	1	25.4	1.220	31.0	1,080	75	4,320	300	16.8	420	920
PH381-20	-20	1.20	1.1/8	29.0	1.400	35.6	870	60	3,480	240	22.0	550	990



Temperature Range: Continuous: -54°C to +260°C

## PH382 - PTFE GAS HOSE


**Construction**

**Inner tube** Special quality of Sintered tube of polytetrafluoroethylene (P.T.F.E)

**Reinforcement** Double braids of 304 series of stainless steel wire

**Application** P.T.F.E hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria Transport of cryogenic gases at high pressures

Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH382-04	-4	1.00	1/4	6.4	0.470	11.9	5,300	365	15,900	1,095	1.6	40	236
PH382-05	-5	1.00	5/16	8.0	0.540	13.7	4,560	315	13,680	945	1.8	45	301
PH382-06	-6	1.00	3/8	9.5	0.580	14.7	4,350	300	13,050	900	2.6	65	353
PH382-08	-8	1.00	1/2	12.7	0.730	18.5	3,840	265	11,520	795	3.0	75	466
PH382-10	-10	1.10	5/8	16.0	0.880	22.4	3,400	235	10,200	705	4.5	115	612
PH382-12	-12	1.25	3/4	19.0	1.030	26.2	2,900	200	8,700	600	9.4	240	779
PH382-16	-16	1.40	1	25.4	1.260	32.0	2,200	150	6,600	450	12.6	320	966



**Temperature Range:** Continuous: -54°C to +204°C

## PH776 - GAS HOSE - 1W


**Construction**

**Inner tube** Sintered tube of polytetrafluoroethylene (P.T.F.E)

**Reinforcement** Single braid of 304 Stainless steel wire. Thicker wall in PTFE core guarantees minimum diffusion and making ideal for gas applications

**Application** High pressure gas lines like gas cylinders, breathing apparatus and aerosol charging lines.

Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH776-02	-2	1.00	1/8	3.35	0.255	6.5	3379	233	13,514	932	1.5	38	65
PH776-03	-3	1.00	3/16	4.83	0.340	8.6	3002	207	11,992	827	2.0	51	90
PH776-04	-4	1.00	1/4	6.35	0.390	9.9	2755	190	11,020	760	2.5	64	140
PH776-05	-5	1.00	5/16	8.03	0.470	11.9	2465	170	9,860	680	3.0	76	168
PH776-06	-6	1.00	3/8	9.65	0.520	13.2	2248	155	8,990	620	3.5	89	200
PH776-07	-7	1.00	13/32	10.36	0.620	15.7	2030	140	8,120	560	4.0	102	210
PH776-08	-8	1.00	1/2	12.70	0.660	16.8	1813	125	7,250	500	5.1	130	265



**Temperature Range:** Continuous: -54°C to +260°C

1/2" TO 4" | W.P 12 BAR

### PH624 - SHOT BLASTING HOSE W.P. 12 BAR - PH2



**Construction**

- Inner tube** Black colour, Synthetic and natural rubber blend resistant to abrasion
- Reinforcement** Plies of synthetic textile cords with two cross anti static copper wires
- Cover** Black colour, Synthetic rubber resistant to ozone, weather and abrasion
- Application** Suitably designed long lasting heavy duty hose for use in sand, metal grits and foundry waste with conductive rubber compound to ensure static electricity dissipation abrasion loss of the tube according to ISO 4649: 50+5mm3

Inner tube option
PH674-PH1 : Premium abrasion

Item Code	Dash Size	ID		OD		WP		BP		W
		inch	mm	inch	mm	psi	bar	psi	bar	
PH624-08	-08	1/2	12.7	1.06	27.0	175	12	525	36	0.61
PH624-12	-12	3/4	19.0	1.34	34.0	175	12	525	36	0.80
PH624-16	-16	1	25.0	1.57	40.0	175	12	525	36	0.97
PH624-20	-20	1.1/4	32.0	1.89	48.0	175	12	525	36	1.32
PH624-24	-24	1.1/2	38.0	2.13	54.0	175	12	525	36	1.45
PH624-32	-32	2	51.0	2.87	73.0	175	12	525	36	2.20
PH624-40	-40	2.1/2	64.0	3.35	85.0	175	12	525	36	3.26
PH624-48	-48	3	76.0	3.94	100.0	175	12	525	36	3.90
PH624-64	-64	4	102.0	4.96	126.0	175	12	525	36	4.40

**Temperature Range:** Continuous: -30°C to +70°C

### THERMOPLASTIC – INDUSTRIAL - PAINT SPRAY HOSE

### PH342 - PAINT SPRAY - 1W



**Construction**

- Inner tube** Polyamide
- Reinforcement** Single braid of steel wire
- Cover** Polyurethane, Blue Colour, Pin pricking (Optional)
- Application** Airless paint spray systems for 100 to 350 bar. Suitable for applications requiring chemical resistance to solvents and aggressive fluids. Due to low permeation value of polyamide, the hose is also suitable for industrial gases

Note: Available Twin & Multi lines with different Hose combination and Size; WP at 1:2.5 ratio also available

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	
PH342-03	-03	05	3/16	4.8	0.380	9.7	5,000	350	20,000	1,400	1.2	30	138
PH342-04	-04	06	1/4	6.4	0.460	11.7	4,650	320	18,600	1,280	1.6	40	180
PH342-05	-05	08	5/16	8.0	0.535	13.6	4,000	275	16,000	1,100	2.0	50	220
PH342-06	-06	10	3/8	9.5	0.600	15.2	3,600	250	14,400	1,000	2.4	60	257
PH342-08	-08	12	1/2	12.7	0.725	18.4	2,750	190	11,000	760	3.0	75	337
PH342-10	-10	16	5/8	16.0	0.875	22.2	2,300	160	9,200	640	4.3	110	450
PH342-12	-12	20	3/4	19.0	1.010	25.7	1,750	120	7,000	480	6.0	150	531
PH342-16	-16	25	1	25.4	1.275	32.4	1,450	100	5,800	400	9.1	230	660

**Temperature Range:** Continuous: -40°C to +100°C Temp. not to exceed +70°C for Air and Water based fluids

## PH343 - PAINT SPRAY - 2W

**Construction**
**Inner tube** Polyamide

**Reinforcement** Double braids of steel wire

**Cover** Polyurethane, Blue Colour, pin pricking (Optional)

**Application** High pressure airless paint spray systems for 150 to 450 bar. Suitable for applications requiring chemical resistance to solvents and aggressive fluids. Due to low permeation value of polyamide, the hose is also suitable for industrial gases


Note: Available Twin &amp; Multi lines with different Hose combination and Size

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH343-04	-04	06	1/4	6.4	0.540	13.7	6,500	450	26,000	1,800	4.0	100	336
PH343-05	-05	08	5/16	8.0	0.600	15.2	5,800	400	23,200	1,600	4.3	110	388
PH343-06	-06	10	3/8	9.5	0.690	17.5	5,500	380	22,000	1,520	5.0	127	483
PH343-08	-08	12	1/2	12.7	0.830	21.1	4,350	300	17,400	1,200	7.0	178	605
PH343-10	-10	16	5/8	16.0	0.975	24.8	3,000	210	12,000	840	8.0	203	803
PH343-12	-12	20	3/4	19.0	1.125	28.6	2,300	160	9,200	640	10.0	250	922
PH343-16	-16	25	1	25.4	1.360	34.5	2,175	150	8,700	600	12.0	305	1092


**Temperature Range:** Continuous: -40°C to +100°C Temp. not to exceed +70°C for Air and Water based fluids

## PH 344 / PH 345 - HIGH PRESSURE PAINT SPRAY

**Construction**
**Inner tube** Polyamide

**Reinforcement** One or more braids of Synthetic Fiber with anti-static polymeric layer

**Cover** Polyurethane, Blue Colour

**Application** Airless paint spray systems for 228 to 360 bar. Suitable for applications requiring chemical resistance to solvents and aggressive fluids. Specially suitable for pulsating electric piston pumps

 Note: Factory made hose assemblies of PH344-4 available with UL mark. Approval can be seen @[www.ul.com](http://www.ul.com);  
 Special colours available on request

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH344-03	-03	05	3/16	4.8	0.413	10.5	3,500	240	14,000	960	3.5	88	95
PH344-04	-04	06	1/4	6.4	0.520	13.2	3,300	228	13,200	912	4.0	100	131
PH344-06	-06	10	3/8	9.5	0.690	17.5	3,300	228	13,200	912	5.0	125	241
PH344-08	-08	12	1/2	12.7	0.890	22.6	3,300	228	13,200	912	7.0	175	351
PH345-03	-03	05	3/16	4.8	0.435	11.0	5,200	360	15,600	1,080	3.5	88	110
PH345-04	-04	06	1/4	6.4	0.520	13.2	5,200	360	15,600	1,080	4.1	104	145
PH345-06	-06	10	3/8	9.5	0.730	18.5	3,600	250	14,400	1,000	5.1	130	270


**Temperature Range:** Continuous: -40°C to +100°C Temp. not to exceed +70°C for Air and Water based fluids

1/4" TO 1/2" | 700 BAR

### PH350 - HIGH PRESSURE JACK HOSE



**Construction**

**Inner tube** Thermoplastic Elastomer

**Reinforcement** Double braids of steel wire

**Cover** Polyurethane, Red orange colour

**Application** Very High-Pressure hydraulic lines 300 to 700 bar compact, high pressure, light weight, high abrasion resistance and low change in length for use with petroleum, synthetic or water-based fluid in hydraulic systems. Mainly used for rescue, safety equipment, bolt tensioning tools and jacking & re-railing equipment also, suitable for earthmoving and material handling equipment

Note: Available Twin & Multi lines with different Hose combination and size. Also special colours available on request

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH350-04	-04	06	1/4	6.4	0.555	14.1	10,000	700	25,000	1,750	4.0	100	356
PH350-06	-06	10	3/8	9.5	0.690	17.5	10,000	700	21,750	1,500	6.0	150	513
PH350-08	-08	12	1/2	12.7	0.830	21.1	7,250	500	18,125	1,250	8.0	200	678



**Temperature Range:** Continuous: -40°C to +100°C Temp. not to exceed +70°C for Air and Water based fluids

THERMOPLASTIC – INDUSTRIAL – PILOT LINE HOSE

3/16" TO 1/2" | 120 BAR

### PH392 - PILOT LINE HOSE



**Construction**

**Inner tube** Oil and Water resistant thermoplastic elastomer

**Reinforcement** Single braid of synthetic fiber

**Cover** Special thermoplastic elastomer resistant to oil, weather and abrasion , Black colour, Pin Pricked

**Application** Specially designed for servo control pilot Lines 120 bar and requires very high flexibility Superior finish on cover surface to have a gliding effect on the other lines that are clustered together and very minimal outer cover damages Also, suitable for medium pressure and return lines for use with petroleum, synthetic or water based fluids in Hydraulic systems Suitable for Agricultural, Construction & Material handling equipment and machineries/systems

Note: Available twin & multi lines with different hose combination and size. Also, special colours available on request

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH392-03	-03	05	3/16	4.8	0.398	10.1	1,740	120	6,960	480	1.00	25	88
PH392-04	-04	06	1/4	6.4	0.453	11.5	1,740	120	6,960	480	1.20	30	92
PH392-05	-05	08	5/16	8.0	0.516	13.1	1,740	120	6,960	480	1.60	40	110
PH392-06	-06	10	3/8	9.5	0.583	14.8	1,740	120	6,960	480	2.00	50	132
PH392-08	-08	12	1/2	12.7	0.709	18.0	1,740	120	6,960	480	2.40	60	185



**Temperature Range:** Continuous: -40°C to +100°C Temp. not to exceed +70°C for Air and Water based fluids

**PNEUMATIC TOOL HOSE**
**PH360 - PNEUMATIC TOOL HOSE**
**Construction**
**Inner tube** Plasticized PVC, Black

**Reinforcement** Double braids of Synthetic fiber

**Cover** Thermo-compound, Black colour

**Application** Specially designed for various industrial machinery, under ground application, civil construction and others. Such as watering, airline connection, road building, pneumatic tools, etc.


Note : Special colours available on request

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W g/m
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	
PH360-04	-04	06	1/4	6.5	0.510	13.0	290	20	1740	120	1.0	25	145.0
PH360-05	-05	08	5/16	8.0	0.590	15.0	290	20	1740	120	1.2	30	165.0
PH360-06	-06	10	3/8	9.5	0.650	16.5	290	20	1740	120	1.6	40	190.0
PH360-08	-08	12	1/2	12.7	0.827	21.0	290	20	1160	80	2.0	50	300.0
PH360-12	-12	19	3/4	19.0	1.122	28.5	290	20	1160	80	2.8	70	460.0
PH360-16	-16	25	1	25.4	1.358	34.5	290	20	870	60	5.0	125	620.0


**Temperature Range:** Continuous: -10°C to +60°C

**PH367 - P.V.C BRAIDED HOSE**
**Construction**
**Inner tube** Plasticized PVC, Transparent

**Reinforcement** Single braid of Synthetic fiber

**Cover** Thermo-compound, Transparent

**Application** Factory water supply and drainage equipment. Air and water piping for industrial equipment. special rock drill hose available in regular & heavy duty type


Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W g/m
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	
PH367-04	-04	06	1/4	6.5	0.492	12.5	435	30	1740	120	1.2	30	125.0
PH367-05	-05	08	5/16	8.0	0.571	14.5	435	30	1300	90	1.4	35	150.0
PH367-06	-06	10	3/8	9.5	0.630	16.0	435	30	1300	90	1.8	45	180.0
PH367-08	-08	12	1/2	12.7	0.795	20.2	360	25	1090	75	2.2	55	230.0
PH367-10	-10	16	5/8	16.0	0.945	24.0	320	22	1090	75	3.3	85	320.0
PH367-12	-12	20	3/4	19.0	1.063	27.0	320	22	1090	75	4.3	110	380.0
PH367-16	-16	25	1	25.4	1.299	33.0	220	15	725	50	5.3	135	490.0


**Temperature Range:** Continuous: -10°C to +60°C

## PH365 - AIR / WATER HOSE



**Construction**

- Inner tube** Plasticized PVC, Black
- Reinforcement** Single braid of Synthetic fiber
- Cover** Abrasion resistant thermo-compound, black Colour
- Application** Specially designed for Tyre inflation, light engineering industry and general purpose air line

Note: Special colours available on request

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH365-04	-04	06	1/4	6.5	0.492	12.5	230	16	920	64	2.0	50	125.0
PH365-05	-05	08	5/16	8.0	0.571	14.5	230	16	920	64	3.0	75	155.0
PH365-06	-06	10	3/8	9.5	0.630	16.0	230	16	920	64	4.0	100	180.0
PH365-08	-08	12	1/2	12.7	0.795	20.2	230	16	920	64	4.3	110	260.0
PH365-12	-12	19	3/4	19.0	1.067	27.1	145	10	580	40	5.0	125	400.0
PH365-16	-16	25	1	25.4	1.299	33.0	145	10	580	40	6.0	150	500.0

**Temperature Range:** Continuous: -10°C to +60°C

## PH362- WELDING HOSE



**Construction**

- Inner tube** Plasticized PVC, Black
- Reinforcement** Single braid of Synthetic fiber
- Cover** Hyper Flame Retardant Thermo-compound, Red / Blue Colour
- Application** Specially designed for Oxy-acetylene welding and cutting equipment

Note : Special colours available on request

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH362-03	-03	05	3/16	4.8	0.413	10.5	220	15	800	55	0.9	23	105.0
PH362-04	-04	06	1/4	6.5	0.492	12.5	220	15	800	55	1.0	25	125.0
PH362-05	-05	08	5/16	8.0	0.571	14.5	220	15	800	55	1.1	28	155.0
PH362-06	-06	10	3/8	9.5	0.630	16.0	220	15	800	55	1.5	38	180.0
PH362-08	-08	12	1/2	12.7	0.827	21.0	220	15	800	55	2.0	50	250.0

**Temperature Range:** Continuous: -10°C to +60°C

**STEAM HOSE**
**PH471 - STEAM 1 W/B**

Applicable Standard : IS 10655 Type 2/ISO 6134 Type 1A/BS 5342 Type 1A

**Construction**

- Inner tube** Black colour, EPDM rubber resistant to high temperature steam
- Reinforcement** Single steel wire Braid
- Cover** Red Colour, EPDM rubber resistant to abrasion, heat and weather
- Application** High temperature steam Lines at constant pressure of 145 psi


**Note: Black Colour Cover also available**

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH471-06	-06	10	3/8	10.0	0.69	17.5	145	10	1450	100	5.1	130	0.399
PH471-08	-08	12	1/2	12.5	0.87	22.0	145	10	1450	100	5.9	150	0.496
PH471-12	-12	19	3/4	19.0	1.14	29.0	145	10	1450	100	9.1	230	0.727
PH471-16	-16	25	1	25.4	1.37	34.8	145	10	1450	100	11.8	300	0.800
PH471-20	-20	32	1.1/4	31.5	1.65	42.0	145	10	1450	100	14.8	375	1.281


**Temperature Range:** Continuous: Up to +185°C Steam

**PH472 - STEAM 2 W/B**

Applicable Standard : Exceeds IS 10655 TYPE 3/ ISO 6134 TYPE 2A/ BS 5342 TYPE 2A

**Construction**

- Inner tube** Black colour, EPDM rubber resistant to high temperature steam
- Reinforcement** Double steel wire Braids
- Cover** Red Colour, EPDM rubber resistant to heat and weather. Black colour option available on request
- Application** High temperature steam Lines at constant pressure of 290 psi


**Cover options**

PH482 : Oil resistance outer cover conforms ISO 6134 Type 2B/BS 5342 Type 2B

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH472-06	-06	10	3/8	10.0	0.77	19.5	260	18	2610	180	5.1	130	0.421
PH472-08	-08	12	1/2	12.5	0.91	23.0	260	18	2610	180	5.9	150	0.589
PH472-12	-12	19	3/4	19.0	1.18	30.0	260	18	2610	180	9.1	230	0.846
PH472-16	-16	25	1	25.4	1.45	36.8	260	18	2610	180	11.8	300	1.095
PH472-20	-20	32	1.1/4	31.5	1.71	43.5	260	18	2610	180	14.8	375	1.505
PH472-24	-24	38	1.1/2	38.0	1.95	49.5	260	18	2610	180	17.9	455	1.780
PH472-32	-32	51	2	51.0	2.52	64.0	260	18	2610	180	23.6	600	2.261
PH472-40	-40	63	2.1/2	63.0	3.27	83.0	260	18	2610	180	26.6	675	4.214
PH472-48	-48	76	3	76.0	3.86	98.0	260	18	2610	180	28.5	725	4.962


**Temperature Range:** Continuous: Up to +230°C Steam

## PH695 - STEAM HOSE



**Construction**

**Inner tube** Black colour, EPDM rubber resistant to high temperature steam

**Reinforcement** High tensile synthetic textile cords with steel wire helix

**Cover** Red colour, EPDM rubber resistance to heat and weather

**Application** Hardwell hose for conveying steam at maximum working pressure of 18 bar, used in chemical industries and industrial application in genral, where tighter bending radius is necessary

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		V	W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm		
PH695-32	-32	51	2	50.8	2.76	70.0	260	18	2610	180	0.90	360	14.5	2.750
PH695-40	-40	63	2.1/2	63.0	3.39	86.6	260	18	2610	180	0.90	445	17.5	3.750
PH695-48	-48	76	3	76.0	3.86	98.0	260	18	2610	180	0.90	535	21.1	4.480
PH695-64	-64	102	4	102.0	4.88	124.0	260	18	2610	180	0.90	715	28.1	6.122



**Temperature Range:** Continuous: -40°C to +210°C

## WATER SUCTION & DISCHARGE HOSE

### PH601 - WATER SUCTION & DISCHARGE HOSE W.P. 10 BAR



**Construction**

**Inner tube** Black colour, Synthetic rubber resistant to water

**Reinforcement** Plies of synthetic textile cords with steel helix

**Cover** Black colour, Synthetic rubber, wrapped type, abrasion water resistant

**Application** Mandrel built heavy duty suction and discharge hose for handling of water, inert fluid, sewerages and waste water, where optimum flexibility is required

**Cover options**

PH640 : Both inner and outer cover EPDM

Item Code	Dash Size	ID		OD		WP		BP		V	W
		inch	mm	inch	mm	psi	bar	psi	bar		
PH601-12	-12	3/4	19.0	1.14	29.0	150	10	435	30	0.90	0.69
PH601-16	-16	1	25.0	1.38	35.0	150	10	435	30	0.90	0.80
PH601-20	-20	1.1/4	32.0	1.65	42.0	150	10	435	30	0.90	0.96
PH601-24	-24	1.1/2	38.0	1.89	48.0	150	10	435	30	0.90	1.11
PH601-32	-32	2	51.0	2.44	62.0	150	10	435	30	0.90	1.50
PH601-40	-40	2.1/2	63.0	2.95	75.0	150	10	435	30	0.90	1.96
PH601-48	-48	3	76.0	3.46	88.0	150	10	435	30	0.90	2.40
PH601-56	-56	3.1/2	89.0	4.02	102.0	150	10	435	30	0.90	2.90
PH601-64	-64	4	102.0	4.57	116.0	150	10	435	30	0.90	3.30
PH601-80	-80	5	127.0	5.55	141.0	150	10	435	30	0.90	5.20
PH601-96	-96	6	152.0	6.73	171.0	150	10	435	30	0.80	6.70
PH601-128	-128	8	203.0	8.78	223.0	150	10	435	30	0.70	11.20



**Temperature Range:** Continuous: -25°C to +70°C

## PH604 - WATER SUCTION & DISCHARGE HOSE W.P. 20 BAR


**Construction**

**Inner tube** Black colour, Synthetic rubber resistant to water

**Reinforcement** Plies of synthetic textile cords with steel helix

**Cover** Black colour, Synthetic rubber, wrapped type, abrasion water resistant

**Application** Mandrel built heavy duty water suction and discharge hose for handling water, inert fluid, sewerages, waste water, where optimum flexibility is required

Item Code	Dash Size	ID		OD		WP		BP		W
		inch	mm	inch	mm	psi	bar	psi	bar	
PH604-12	-12	3/4	19.0	1.14	29.0	300	20	900	60	0.70
PH604-16	-16	1	25.0	1.38	35.0	300	20	900	60	0.85
PH604-20	-20	1.1/4	32.0	1.65	42.0	300	20	900	60	0.99
PH604-24	-24	1.1/2	38.0	1.97	50.0	300	20	900	60	1.42
PH604-32	-32	2	51.0	2.56	65.0	300	20	900	60	2.04
PH604-40	-40	2.1/2	64.0	3.07	78.0	300	20	900	60	2.65
PH604-48	48	3	76.0	3.54	90.0	300	20	900	60	3.11
PH604-56	56	3.1/2	89.0	4.09	104.0	300	20	900	60	3.90
PH604-64	-64	4	102.0	4.65	118.0	300	20	900	60	4.57
PH604-80	-80	5	127.0	5.63	143.0	300	20	900	60	6.29
PH604-96	-96	6	152.0	6.89	175.0	300	20	900	60	9.40
PH604-128	-128	8	203.0	9.17	233.0	300	20	900	60	14.40



**Temperature Range:** Continuous: -25°C to +70°C

## OIL / FUEL SUCTION & DISCHARGE HOSE

## PH611 - OIL / FUEL SUCTION & DISCHARGE HOSE W.P. 10 BAR


**Construction**

**Inner tube** Black colour, Synthetic rubber resistant to oil

**Reinforcement** Plies of synthetic textile cords with steel helix and two cross antistatic copper wires

**Cover** Black colour, Synthetic rubber resistant to oil, ozone and abrasion

**Application** Mandrel built heavy duty oil suction and discharge hose for handling grades of gasoline or petroleum oils of aromatic content upto 50% from tank truck, in dispensing station etc, during winter/summer seasons and withstands full vacuum

Item Code	Dash Size	ID		OD		WP		BP		V	W
		inch	mm	inch	mm	psi	bar	psi	bar	bar	
PH611-12	-12	3/4	19.0	1.14	29.0	150	10	435	30	0.90	0.60
PH611-16	-16	1	25.0	1.38	35.0	150	10	435	30	0.90	0.74
PH611-20	-20	1.1/4	32.0	1.65	42.0	150	10	435	30	0.90	0.90
PH611-24	-24	1.1/2	38.0	1.89	48.0	150	10	435	30	0.90	1.10
PH611-32	-32	2	51.0	2.44	62.0	150	10	435	30	0.90	1.40
PH611-40	-40	2.1/2	63.0	2.95	75.0	150	10	435	30	0.90	2.10
PH611-48	-48	3	76.0	3.54	90.0	150	10	435	30	0.90	2.70
PH611-56	-56	3.1/2	89.0	4.09	104.0	150	10	435	30	0.90	3.10
PH611-64	-64	4	102.0	4.61	117.0	150	10	435	30	0.90	3.80
PH611-80	-80	5	127.0	5.63	143.0	150	10	435	30	0.90	6.00
PH611-96	-96	6	152.0	6.61	168.0	150	10	435	30	0.80	7.40
PH611-128	-128	8	203.0	8.82	224.0	150	10	435	30	0.70	12.20



**Temperature Range:** Continuous: -20°C to +80°C

## PH614 - OIL SUCTION &amp; DISCHARGE HOSE W.P. 20 BAR

**Construction****Inner tube**

Black colour, Synthetic rubber resistant to oil

**Reinforcement**

Plies of synthetic textile cords with steel helix and two cross anti static copper wires

**Cover**

Black colour, Synthetic rubber resistant to oil, ozone and abrasion

**Application**

Mandrel built heavy duty oil suction and discharge hose for handling grades of gasoline or petroleum oils of aromatic content upto 50% from tank truck, in dispensing station etc, during winter/summer seasons and withstands full vacuum

Item Code	Dash Size	ID		OD		WP		BP		V	W
		inch	mm	inch	mm	psi	bar	psi	bar		
PH614-12	-12	3/4	19.0	1.14	29.0	300	20	870	60	0.90	0.60
PH614-16	-16	1	25.0	1.38	35.0	300	20	870	60	0.90	0.86
PH614-20	-20	1.1/4	32.0	1.65	42.0	300	20	870	60	0.90	1.03
PH614-24	-24	1.1/2	38.0	1.93	49.0	300	20	870	60	0.90	1.20
PH614-32	-32	2	51.0	2.48	63.0	300	20	870	60	0.90	1.80
PH614-40	-40	2.1/2	63.0	3.03	77.0	300	20	870	60	0.90	2.40
PH614-48	-48	3	76.0	3.54	90.0	300	20	870	60	0.90	2.90
PH614-56	-56	3.1/2	89.0	4.09	104.0	300	20	870	60	0.90	3.60
PH614-64	-64	4	102.0	4.65	118.0	300	20	870	60	0.90	4.10
PH614-80	-80	5	127.0	5.63	143.0	300	20	870	60	0.90	6.80
PH614-96	-96	6	152.0	6.77	172.0	300	20	870	60	0.90	9.00
PH614-128	-128	8	203.0	8.94	227.0	300	20	870	60	0.90	14.00



Temperature Range: Continuous: -20°C to +80°C

## PH615 - OIL SUCTION &amp; DISCHARGE HOSE - 40 BAR

**Construction****Inner tube**

Black colour, Synthetic rubber resistant to oil

**Reinforcement**

Plies of synthetic textile cords with steel helix and two cross anti static copper wires

**Cover**

Black colour, Synthetic rubber resistant to oil, ozone and abrasion

**Application**

Mandrel built heavy duty oil suction and discharge hose for handling grades of gasoline or petroleum oils of aromatic content upto 50% from tank truck, in dispensing station etc, during winter/summer seasons and withstands full vacuum

Item Code	Dash Size	ID		OD		WP		BP		V	W
		inch	mm	inch	mm	psi	bar	psi	bar		
PH615-32	-32	2	51.0	2.99	76.0	600	40	1200	80	0.90	3.41
PH615-48	-48	3	76.0	3.90	99.0	600	40	1200	80	0.90	5.20
PH615-64	-64	4	102.0	5.04	128.0	600	40	1200	80	0.90	6.80
PH615-96	-96	6	152.0	7.01	178.0	600	40	1200	80	0.90	11.00



Temperature Range: Continuous: -20°C to +80°C

## PH620 - AIR & WATER DISCHARGE HOSE - 10 BAR


**Construction**

- Inner tube** Black colour, Synthetic rubber resistant to oil
- Reinforcement** Plies of synthetic textile cords
- Cover** Black colour, Synthetic rubber resistant to oil, ozone and abrasion
- Application** Light weight hose designed for air, water & dust delivery in underground mines

Item Code	Dash Size	ID		OD		WP		BP		W kg/m
		inch	mm	inch	mm	psi	bar	psi	bar	
PH620-16	-16	1	25.0	1.26	32.0	150	10	435	30	0.48
PH620-20	-20	1.1/4	32.0	1.54	39.0	150	10	435	30	0.62
PH620-24	-24	1.1/2	38.0	1.77	45.0	150	10	435	30	0.80
PH620-32	-32	2	51.0	2.28	58.0	150	10	435	30	0.94
PH620-40	-40	2.1/2	63.0	2.76	70.0	150	10	435	30	1.20
PH620-48	-48	3	76.0	3.27	83.0	150	10	435	30	1.50
PH620-56	-56	3.1/2	89.0	3.82	97.0	150	10	435	30	1.70
PH620-64	-64	4	102.0	4.29	109.0	150	10	435	30	2.20
PH620-80	-80	5	127.0	5.39	137.0	150	10	435	30	3.80
PH620-96	-96	6	152.0	6.38	162.0	150	10	435	30	4.50
PH620-128	-128	8	203.0	8.54	217.0	150	10	435	30	6.10


**Temperature Range:** Continuous: -25°C to +70°C

## PH630 - AIR & WATER DISCHARGE HOSE - 20 BAR


**Construction**

- Inner tube** Black colour, Synthetic rubber resistant to water
- Reinforcement** Plies of synthetic textile cords
- Cover** Black colour, Synthetic rubber, wrapped type, abrasion water resistant
- Application** Hose designed for air, water & stone dust delivery in underground mines

Item Code	Dash Size	ID		OD		WP		BP		W kg/m
		inch	mm	inch	mm	psi	bar	psi	bar	
PH630-16	-16	1	25.0	1.34	34.0	300	20	900	60	0.67
PH630-20	-20	1.1/4	32.0	1.65	42.0	300	20	900	60	0.80
PH630-24	-24	1.1/2	38.0	1.89	48.0	300	20	900	60	0.94
PH630-32	-32	2	51.0	2.44	62.0	300	20	900	60	2.20
PH630-40	-40	2.1/2	63.0	2.99	76.0	300	20	900	60	2.60
PH630-48	-48	3	76.0	3.50	89.0	300	20	900	60	3.10
PH630-56	-56	3.1/2	89.0	4.06	103.0	300	20	900	60	3.70
PH630-64	-64	4	102.0	4.57	116.0	300	20	900	60	4.12
PH630-80	-80	5	127.0	5.59	142.0	300	20	900	60	4.90
PH630-96	-96	6	152.0	6.57	167.0	300	20	900	60	6.70
PH630-128	-128	8	203.0	8.62	219.0	300	20	900	60	8.20


**Temperature Range:** Continuous: -25°C to +70°C

## PH642 - XLPE CHEMICAL SUCTION AND DISCHARGE HOSE W.P. 17 BAR



**Construction**

- Inner tube** White colour, Synthetic rubber with XLPE liner
- Reinforcement** Plies of synthetic textile cords with steel helix and two cross anti static copper wires
- Cover** Green colour EPDM, wrapped type, abrasion and weather resistant
- Application** Excellent in handling petroleum based products, hydrocarbon solvents, oxidising chemicals, major strong acid and alkali as well as organic fluid etc.,

Item Code	Dash Size	ID		OD		WP		BP		V	W
		inch	mm	inch	mm	psi	bar	psi	bar		
PH 642-12	-12	3/4	19.0	1.18	30.0	250	17	750	51	0.9	0.80
PH 642-16	-16	1	25.0	1.38	35.0	250	17	750	51	0.9	1.39
PH 642-20	-20	1.1/4	32.0	1.73	44.0	250	17	750	51	0.9	1.52
PH 642-24	-24	1.1/2	38.0	1.97	50.0	250	17	750	51	0.9	2.00
PH 642-32	-32	2	51.0	2.64	67.0	250	17	750	51	0.9	2.70
PH 642-40	-40	2.1/2	63.0	3.11	79.0	250	17	750	51	0.9	3.20
PH 642-48	-48	3	76.0	3.70	94.0	250	17	750	51	0.9	4.50
PH 642-64	-64	4	102.0	4.72	120.0	250	17	750	51	0.9	4.80

**Temperature Range:** Continuous: -20°C to +120°C

## SLURRY & MUD WATER SUCTION & DISCHARGE HOSE

## PH647 - SLURRY & MUD WATER SUCTION AND DISCHARGE HOSE



**Construction**

- Inner tube** Black colour, Synthetic and natural rubber blend resistant to abrasion
- Reinforcement** Plies of synthetic textile cords with steel helix and two cross anti static copper wires
- Cover** Black colour, Synthetic rubber resistant to ozone, weather and abrasion
- Application** For suction and discharge of slurry, mud and waste water

Item Code	Dash Size	ID		OD		WP		BP		W
		inch	mm	inch	mm	psi	bar	psi	bar	
PH 647-32	-32	2	51.0	2.64	67.0	150	10	450	30	2.80
PH 647-48	-48	3	76.0	3.66	93.0	150	10	450	30	4.70
PH 647-64	-64	4	102.0	4.80	122.0	150	10	450	30	5.40
PH 647-80	-80	5	127.0	5.79	147.0	150	10	450	30	6.20
PH 647-96	-96	6	152.0	6.85	174.0	150	10	450	30	12.60
PH 647-128	-128	8	203.0	9.33	237.0	150	10	450	30	19.70

**Temperature Range:** Continuous: -30°C to +70°C

## PH649 - CONCRETE DELIVERY HOSE


**Construction**

- Inner tube** Black colour, Synthetic and natural rubber blend resistant to abrasion
- Reinforcement** Plies of synthetic textile cords with two cross anti static copper wires
- Cover** Black colour, Synthetic rubber resistant to ozone, weather and abrasion
- Application** Designed for concrete pumping in construction industry

Item Code	Dash Size	ID		OD		WP		BP		W
		inch	mm	inch	mm	psi	bar	psi	bar	kg/m
PH 649-20	-20	1.1/4	32.0	1.93	49.0	1235	85	2465	170	1.60
PH 649-24	-24	1.1/2	38.0	2.20	56.0	1235	85	2465	170	1.80
PH 649-32	-32	2	51.0	2.80	71.0	1235	85	2465	170	3.00
PH 649-40	-40	2.1/2	64.0	3.43	87.0	1235	85	2465	170	3.77
PH 649-48	-48	3	76.0	4.02	102.0	1235	85	2465	170	4.90
PH 649-56	-56	3.1/2	88.0	4.53	115.0	1235	85	2465	170	5.66
PH 649-64	-64	4	102.0	5.20	132.0	1235	85	2465	170	7.36
PH 649-80	-80	5	127.0	6.18	157.0	1235	85	2465	170	8.92


**Temperature Range:** Continuous: -30°C to +70°C

## RADIATOR HOSE

## PH651 - RADIATOR HOSE


**Construction**

- Inner tube** Black Colour, EPDM rubber resistant to wide range of Industrial Chemicals
- Reinforcement** Plies of synthetic textile cords
- Cover** Black colour, EPDM Rubber resistant to Ozone, weather and abrasion
- Application** For conveying hot water mixed with anti- freeze liquids in cooling systems

Item Code	Dash Size	ID		OD		WP		BP		W
		inch	mm	inch	mm	psi	bar	psi	bar	kg/m
PH 651-08	-08	1/2	12.7	0.83	21.0	45	3	135	9	0.30
PH 651-12	-12	3/4	19.0	1.10	28.0	45	3	135	9	0.45
PH 651-16	-16	1	25.0	1.34	34.0	45	3	135	9	0.50
PH 651-20	-20	1.1/4	32.0	1.65	42.0	45	3	135	9	0.60
PH 651-24	-24	1.1/2	38.0	1.89	48.0	45	3	135	9	0.80
PH 651-32	-32	2	51.0	2.44	62.0	45	3	135	9	1.20
PH 651-40	-40	2.1/2	64.0	2.99	76.0	45	3	135	9	1.40
PH 651-48	-48	3	76.0	3.50	89.0	45	3	135	9	1.65
PH 651-64	-64	4	102.0	4.57	116.0	45	3	135	9	2.60
PH 651-80	-80	5	127.0	5.59	142.0	45	3	135	9	4.60
PH 651-96	-96	6	152.0	6.57	167.0	45	3	135	9	6.80


**Temperature Range:** Continuous: -40°C to +120°C

## PH369 - HOSE PROTECTIVE SLEEVE

**Application** Polyhose Protective Sleeves are used on earthmoving machinery, mining industry and industrial equipment for wear resistance and to avoid getting people injured by burst and high pressure/temperature liquid spray.

**Description** Protective Sleeves are made of a high-performance nylon yarn to prevent abrasion and injuries. The special weave gives an exceptionally smooth inner wall, in which the hydraulic hose can move freely to prevent wear. Protective Sleeves are ideal for protecting people, the environment and the machine against possible leaks.

**Material** For Nylon - PH369N,  
For Polyester - PH369P,  
Special Material available on request.

**Color** Black

**Approval** RoHS, MSHA

**Working temperature :** -50°C to +125°C



PRODUCT CODE	 ID	 THICKNESS	 FLAT WIDTH	 Colour	 METERS PER BOX
	mm	mm	(+/- 1 mm)		m
PH369-017	17	0.8	30	Black	50
PH369-020	20	0.8	36	Black	50
PH369-023	23	0.8	40	Black	50
PH369-025	25	0.8	43	Black	50
PH369-027	27	0.8	45	Black	50
PH369-031	31	0.8	52	Black	50
PH369-033	33	0.8	55	Black	50
PH369-036	36	0.8	60	Black	50
PH369-040	40	0.8	66	Black	50
PH369-044	44	0.8	74	Black	50
PH369-047	47	0.8	77	Black	50
PH369-053	53	0.8	86	Black	50
PH369-055	55	0.8	90	Black	50
PH369-060	60	0.8	98	Black	50
PH369-066	66	0.8	106	Black	50
PH369-073	73	0.8	118	Black	50
PH369-078	78	0.8	126	Black	50
PH369-085	85	0.8	136	Black	50
PH369-093	93	0.8	150	Black	50
PH369-112	112	0.8	178	Black	50

## PH368HG - SPIRAL GUARD

**Material :** High Density Polyethylene

**Working temperature :** -50°C to +130°C

**Note :** Standard colour Black. Other colours Yellow, Red, Blue, Green - available on request



### SPIRAL GUARD SPECIFICATION SHEET

PRODUCT	NOMINAL OD	NOMINAL ID	W.T (MM)	PITCH (MM)	USAGE RANGE(HOSE DIA MM)
PH368HG-12	12	9	1.5	10	9 TO 13
PH368HG-16	16	12.6	1.7	12	13 TO 18
PH368HG-20	20	16	2.0	16	16 TO 22
PH368HG-25	25	20.6	2.2	20	20 TO 27
PH368HG-32	32	27	2.5	22	27 TO 36
PH368HG-40	40	34.6	2.7	27	34 TO 44
PH368HG-50	50	44	3.0	30	43 TO 55
PH368HG-63	63	55.4	3.8	37	55 TO 67
PH368HG-75	75	66	4.5	42	66 TO 80
PH368HG-90	90	80	5.0	45	80 TO 98
PH368HG-110	110	99	5.5	50	99 TO 115
PH368HG-125	125	113	6.0	55	113 TO 130
PH368HG-140	140	128	6.0	55	128 TO 145



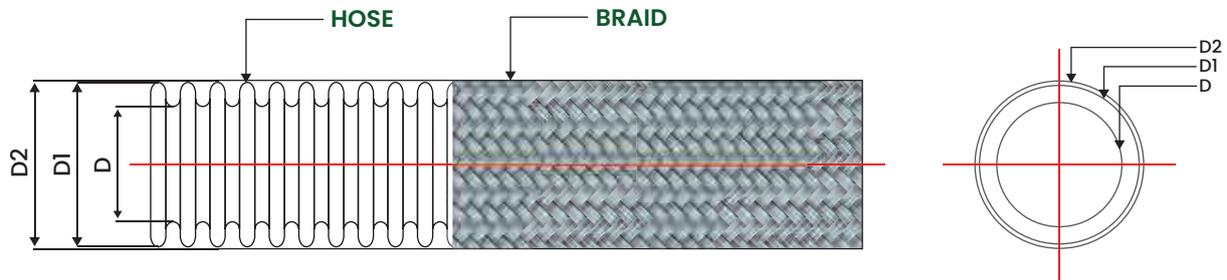
# BELLOW HOSE & FITTINGS



## STAINLESS STEEL CORRUGATED – BELLOW HOSE

Size: ¼” to 10”

- Structure** : Annular Corrugated Mechanical / Hydroformed flexible metal hoses produced from longitudinally welded tubes with or without braiding
- Characteristics** : Standard Pitch / Standard Flexibility / Heavy Wall Thickness
- Standards** : EN ISO 10380
- Hose material** : Stainless Steel AISI 304, AISI 321, AISI 316L
- Braiding material** : Stainless Steel AISI 304, AISI 304L, AISI 316L & AISI 321
- Suitable fittings types** : Threaded end, Flange end, Pipe end, etc. as per customer specifications



SIZE	ITEM CODE	BRAIDS	BRAID CONSTRUCTION (NO OF CARRIERS X NO OF STRANDS X WIRE DIAMETER)	BRAID							
				COVERAGE	ID (D)	OD (D1 & D2)	WP (Max) @20°C	BP (Min) @20°C	DYNAMIC	STATIC	WEIGHT
				%	mm	mm	bar	bar	mm	mm	kg/m
1/4"	R006HFHX000T	0	24 X 5 X 0.35		6.00	10.10	13.8	--	--	--	0.12
	R006HFHXR10T	1		98	6.00	12.20	172	688	125.00	26.00	0.26
	R006HFHXR20T	2			6.00	13.60	258	1032			0.39
5/16"	R008HFHX000T	0	24 X 6 X 0.35		7.60	12.20	12.4	--	--	--	0.17
	R008HFHXR10T	1		98	7.60	14.50	160	640	125.00	26.00	0.31
	R008HFHXR20T	2			7.60	15.90	240	960			0.44
3/8"	R010HFHX000T	0	24 X 8 X 0.35		11.00	16.20	6.9	--	--	--	0.18
	R010HFHXR10T	1		98	11.00	18.00	120	480	140.00	32.00	0.39
	R010HFHXR20T	2			11.00	19.40	180	720			0.60
1/2"	R012HFHX000T	0	24 X 9 X 0.35		14.50	21.10	5.5	--	--	--	0.32
	R012HFHXR10T	1		94	14.50	22.90	85	340	155.00	40.00	0.55
	R012HFHXR20T	2			14.50	24.30	127.5	510			0.78

3/4"	R020HFHX000T	0			20.60	30.70	4.8	--	--	--	0.64
	R020HFHXRI0T	1	36 X 9 X 0.35	95	20.60	32.50	65	260	205.00	58.00	0.96
	R020HFHXR20T	2			20.60	33.90	97.5	390	--	--	1.28
1"	R025HFHX000T	0			27.30	38.50	2.8	--	--	--	0.80
	R025HFHXRI0T	1	36 X 10 X 0.35	98	27.30	40.30	50	200	230.00	70.00	1.17
	R025HFHXR20T	2			27.30	41.70	75	300	--	--	1.54
1 1/4"	R032HFHX000T	0			31.60	45.00	1.7	--	--	--	0.94
	R032HFHXRI0T	1	48 X 9 X 0.4	95	31.60	46.60	42	168	270.00	90.00	1.49
	R032HFHXR20T	2			31.60	48.20	63	252	--	--	2.05
1 1/2"	R040HFHX000T	0			40.30	55.00	1.4	--	--	--	1.13
	R040HFHXRI0T	1	48 X 10 X 0.4	95	40.30	56.60	38	152	310.00	100.00	1.75
	R040HFHXR20T	2			40.30	58.20	57	228	--	--	2.37
2"	R050HFHX000T	0			49.50	65.00	1	--	--	--	1.46
	R050HFHXRI0T	1	48 X 10 X 0.5	95	49.50	67.00	37	148	390.00	130.00	2.46
	R050HFHXR20T	2			49.50	69.00	56	222	--	--	3.46
2 1/2"	R065HFHX000T	0			64.80	83.00	0.8	--	--	--	1.59
	R065HFHXRI0T	1	72 X 8 X 0.5	94	64.80	85.00	34	136	460.00	200.00	2.76
	R065HFHXR20T	2			64.80	87.00	51	204	--	--	3.94
3"	R080HFHX000T	0			79.80	97.50	0.7	--	--	--	1.78
	R080HFHXRI0T	1	72 X 9 X 0.5	96	79.80	100.00	27	108	570.00	230.00	3.09
	R080HFHXR20T	2			79.80	102.00	40.5	162	--	--	4.39
4"	R100HFHX000T	0			99.80	120.00	0.6	--	--	--	2.50
	R100HFHXRI0T	1	72 X 11 X 0.5	96	99.80	122.50	20	80	690.00	330.00	4.10
	R100HFHXR20T	2			99.80	124.50	30	120	--	--	5.55
5"	R125HFHX000T	0			130.00	154.00	0.4	--	--	--	3.60
	R125HFHXRI0T	1	72 X 11 X 0.7	93	130.00	157.00	16	64	1000.00	350.00	6.72
	R125HFHXR20T	2			130.00	159.80	24	96	--	--	9.84
6"	R150HFHX000T	0			154.00	180.00	0.3	--	--	--	5.70
	R150HFHXRI0T	1	72 X 12 X 0.7	90	154.00	183.00	12	48	1250.00	400.00	9.10
	R150HFHXR20T	2			154.00	185.80	18	72	--	--	12.50
8"	R200HFHX000T	0			204.00	233.40	0.3	--	--	--	8.40
	R200HFHXRI0T	1	96 X 9 X 0.7	90	204.00	237.00	10	40	1600.00	520.00	12.45
	R200HFHXR20T	2			204.00	239.80	15	60	--	--	16.50
10"	R250HFHX000T	0			254.00	284.00	0.2	--	--	--	10.50
	R250HFHXRI0T	1	96 X 12 X 0.7	90	254.00	287.00	8.5	34	2000.00	620.00	16.15
	R250HFHXR20T	2			254.00	289.80	12.75	51	--	--	21.81

**Note:**

1. Test pressure is 1.5 times of working pressure @ 20°C.
2. WP - Working Pressure, BP - Burst Pressure.



Weldmale



Weld Neck Flange / Fixed Flange



Hex Nut / Female



Swivel Flange

Assembled Hoses





# — PNEUMATIC SOLUTIONS —



**TGD SERIES DOUBLE ACTING MAGNETIC CYLINDER-ISO 6431**

BORE DIA		STROKE LENGTH
32		From 25mm to 1800mm
40		
50		
63		
80		
100		
125		

**TGC-SERIES DOUBLE ACTING STANDARD CYLINDER**

BORE DIA		STROKE LENGTH
32		From 25mm to 1800mm
40		
50		
63		
80		
100		
125		
160		
200		
250		

**TGU SERIES DOUBLE ACTING MICKY MOUSE CYLINDER**

BORE DIA		STROKE LENGTH
32		From 25mm to 1800mm
40		
50		
63		
80		
100		

**TGM SERIES DOUBLE ACTING ALUMINIUM MINI CYLINDER**

BORE DIA		STROKE LENGTH
16		From 25mm to 800mm
20		
25		
32		
40		

**TGL SERIES DOUBLE ACTING MAGNETIC MINI SS CYLINDER - ISO6432**

BORE DIA		STROKE LENGTH
8		From 25mm to 800mm
10		
12		
16		
20		
25		
32		

**TGN SERIES DOUBLE ACTING COMPACT CYLINDER**

BORE DIA		STROKE LENGTH
12		From 5mm to 150mm
16		
20		
25		
32		
40		
50		
63		
80		
100		

**ADVU SERIES DOUBLE ACTING COMPACT MAGNETIC CYLINDER**

BORE DIA		STROKE LENGTH
16		From 5mm to 150mm
20		
25		
32		
40		
50		
63		
80		

**CQ2 SERIES DOUBLE ACTING COMPACT MAGNETIC CYLINDER**

BORE DIA		STROKE LENGTH
16		From 5mm to 150mm
20		
25		
32		
40		
50		
60		
80		
100		

**TG-SERIES 2/2 WAY SERIES SINGLE SOLENOID VALVE**

	MODEL	SIZE
	TG22-08	1/4"

**TG-SERIES 3/2 WAY SERIES SINGLE SOLENOID VALVE**

	MODEL	SIZE
	TG23-06	1/8"
TG23-08	1/4"	

**TG-SERIES 3/2 WAY SERIES SINGLE SOLENOID VALVE**

	MODEL	SIZE
	TG2321-08	1/4"
TG2331-10	3/8"	
TG2341-15	1/2"	

**TG-SERIES 5/2 WAY SINGLE SOLENOID VALVE**

	MODEL	SIZE
	TG2511-06	1/8"
TG2521-08	1/4"	
TG2531-10	3/8"	
TG2541-15	1/2"	

**TG-SERIES 5/2 WAY DOUBLE SOLENOID VALVE**

	MODEL	SIZE
	TG2522-08	1/4"
TG2532-10	3/8"	
TG2542-15	1/2"	

**TG SERIES 5/3 WAY DOUBLE SOLENOID VALVE**

	MODEL	SIZE
	TG3522-08C	1/4"
TG3532-10C	3/8"	
TG3542-15C	1/2"	

**FG SERIES -5/2 WAY SINGLE SOLENOID VALVE**

	MODEL	SIZE
	FG2521-08L	1/4"
FG2531-10L	3/8"	
FG2541-15L	1/2"	
FG2561-20L	3/4"	
FG2581-25L	1"	

**FG SERIES -5/2 WAY DOUBLE SOLENOID VALVE**

	MODEL	SIZE
	FG2522-08L	1/4"
FG2532-10L	3/8"	
FG2542-15L	1/2"	
FG2562-20L	3/4"	
FG2582-25L	1"	

**5/2 WAY SINGLE SOLENOID VALVE**

	MODEL	SIZE
	PV5221-08QE4	1/4"

**5/2 WAY DOUBLE SOLENOID VALVE**

	MODEL	SIZE
	PV5222-08E4	1/4"

**5/2 WAY HAND LEVER VALVE**

	MODEL	SIZE
	H522-08	1/4"

**AIR SOURCE TREATMENT UNIT**
**LF SEIRES FILTER**

	MODEL	SIZE
	LF-08	1/4"
	LF-10	3/8"
	LF-15	1/2"

**LOE SERIES LUBRICATOR**

	MODEL	SIZE
	LOE-08	1/4"
	LOE-10	3/8"
	LOE-15	1/2"

**LR SERIES REGULATOR**

	MODEL	SIZE
	LR-08	1/4"
	LR-10	3/8"
	LR-15	1/2"

**LFC SERIES AIR FILTER REGULATOR + LUBRICATOR**

	MODEL	SIZE
	LFC-08	1/4"
	LFC-10	3/8"
	LFC-15	1/2"

**LFR SERIES AIR FILTER REGULATOR**

	MODEL	SIZE
	LFR-08	1/4"
LFR-10	3/8"	
LFR-15	1/2"	

**TW SERIES FILTER REGULATOR**

	MODEL	SIZE
	TW2000-02	1/4"
TW2000-02U	1/4"	
TW3000-03	3/8"	
TW4000-04	1/2"	
TW4000-06	3/4"	
TW5000-10	1"	

**TC SERIES AIR FILTER REGULATOR+LUBRICATOR**

	MODEL	SIZE
	TC2010-02	1/4"
TC2010-02U	1/4"	
TC3010-03	3/8"	
TC4010-04	1/2"	
TC4010-06	3/4"	
TC5010-10	1"	

**TR SERIES AIR REGULATOR**

	MODEL	SIZE
	TR2000-02	1/4"
TR3000-03	3/8"	
TR4000-04	1/2"	
TR4000-06	3/4"	
TR5000-10	1"	

**AIRFILTER REGULATOR WITH LUBRICATOR**

	MODEL	SIZE
	AC2010-02F2	1/4"
AC4010-04F2	1/2"	

**AIR FILTER REGULATOR**

	MODEL	SIZE
	AW2000-02F2	1/4"
AW4000-04F2	1/2"	

**AIR REGULATOR**

	MODEL	SIZE
	AR2000-02F2	1/4"
AR4000-04F2	1/2"	

**MALE CONNECTOR - YPC**



**MALE ELBOW - YPL**



**MALE BRANCH TEE - YPB**



**MALE RUN TEE - YPD**



**MALE 'Y' CONNECTOR - YPX**



**FEMALE ELBOW - YPLF**



**FEMALE CONNECTOR - YPCF**



**SPEED CONTROLLER - YSC**



**EQUAL TEE - YPE**



**EQUAL Y- YPY**



**EQUAL ELBOW - YPV**



**PLUG - YPP**



**EQUAL UNION - YPU**



**BULK HEAD UNION - YPM**



**EQUAL CROSS - YPZA**



**MALE CONNECTOR-FPC**



**MALE ELBOW-FPL**



**MALE BRANCH TEE-FPB**



**MALE RUN TEE-FPD**



**MALE Y CONNECTOR-FPWT**



**FEMALE CONNECTOR-FPCF**



**EQUAL TEE-FPE**



**EQUAL Y-FPY**



**EQUAL ELBOW-FPV**



**EQUAL UNION-FPU**



**EQUAL CROSS-FPZA**



**FLOW CONTROL IN LINE-FSA**



**HAND VALVE-EHVFF**



**FLOW CONTROL VALVE-FSC**



**UNEQUAL UNION-FPG**



**G THREAD FITTINGS**
**MALE CONNECTOR - PC - G**

**MALE ELBOW - PL - G**

**SILENCER**
**STANDARD SILENCER - BSL**


- M5
- 01 - 1/8"
- 02 - 1/4"
- 03 - 3/8"
- 04 - 1/2"
- 06 - 3/4"
- 08 - 1"

**B-TYPE EXHAUST SILENCER - BESL**


- 01 - 1/8"
- 02 - 1/4"
- 03 - 3/8"
- 04 - 1/2"

**FULLY SINTERED BRONZE - BSLD**


- 01 - 1/8"
- 02 - 1/4"
- 03 - 3/8"
- 04 - 1/2"
- 06 - 3/4"
- 08 - 1"

**BUTTON SILENCER - BSLM**


- 01 - 1/8"
- 02 - 1/4"
- 03 - 3/8"
- 04 - 1/2"

**PLASTIC SILENCER - PSU**


- 01 - 1/8"
- 02 - 1/4"
- 03 - 3/8"
- 04 - 1/2"

**PLASTIC SILENCER - PSL**


- 01 - 1/8"
- 02 - 1/4"

**AIRGUNS**
**ABG-02B**

**ABG-06**

**ABG3020**


**AIRGUNS**

**AR-30**



**DG-10-1-2-3**



**K601-1**



**QRC FITTINGS**

**HOSE SOCKET**



SH20  
SH30  
SH40

**MALE SOCKET**



SM20  
SM30  
SM40

**FEMALE SOCKET**



SF20  
SF30  
SF40

**SOCKET WITH PAGODA COVER**



SP20  
SP30  
SP40

**HOSE PLUG**



PH20  
PH30  
PH40

**MALE PLUG**



PM20  
PM30  
PM40

**FEMALE PLUG**



PF20  
PF30  
PF40

**PLUG WITH PAGODA COVER**



PP20  
PP30  
PP40

**PU TUBE & PU COIL**

**PU TUBE**



**SIZES**

4x2	10x6.5
4x2.5	10x8
6x4	12x8
8x5	12x9
8x5.5	12x10
8x6	14x10
10x7	16x12

**COLOURS**

BLUE, BLACK,  
GREEN, RED,  
ORANGE,  
YELLOW  
AND  
TRANSPARENT

**PU COIL**



**PU TUBE SIZE**

6X4  
8X5  
8X5.5  
10X6.5  
12X8  
16X12

**RECOIL SIZE**



**Polyhose**<sup>®</sup>  
Providing Flexible Solutions Globally

**Fp-FlexPower**

**Polymatic**  
PNEUMATIC SOLUTIONS

**GST NO : 33AAGCA1182N1ZN**  
**MSME UDYAM REG. NO : UDYAM-TN-08-0054112**

## **AEROFLEX INDIA PRIVATE LIMITED**

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