



AN ISO-9001:2008 CERTIFIED COMPANY.

Strong & Resistant To Meet Any Challenge





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INTRODUCTION :

We **M/s. ASHISH POLYPLAST LTD.**, Ahmedabad (India) are one of the leading manufacturer of **RealOn** brand P.V.C. Braided & Suction Hose Pipes since last 20 years with a wide experience of manufacturing of PVC Hoses from last 45 years in various fields. We provide a high quality assurance & commitment to support customers with every opportunity for growth.

The company's vision & policy is to provide maximum efficiency and quality satisfaction in all types of applications, **RealOn** hoses are manufactured with advanced and creative technology which includes machinery and equipment designing techniques, compounding and blending technique with using top quality virgin raw materials. Each number of hose is produced under thorough quality control system to maintain all of its required specification.

P.V.C. BRAIDED HOSE - PIPES :

STRUCTURE :

RealOn is the High pressure yarn reinforced flexible hose designed for applications requiring a stronger, more resistant hose pipe manufactured on fully automatic modern plant. As a result of many years of experience combined with advanced technology, perfect control throughout the production process gives the actual consumers maximum quality assurance.

RealOn is made from a high quality thermoplastic compound and reinforced with high tenacity special quality yarn cross wide and lengthwise between two layers of PVC and are bonded together to make the hose as homogeneous entity for multipurpose industrial application and for high pressure applications in liquid and conveyance.

RealOn proves to be a better alternative to rubber hoses, as it offers better resistance to chemicals, moisture, abrasions, ozone and climatic condition. Moreover **RealOn** has superior consolidation and adhesion between the braids and covers as compared to conventional rubber hoses, easily available at short notice.

RealOn is light in weight and is unbelievably flexible with id maintained throughout the length.

PROPERTIES :

- Light weight and flexible.
- Strong enough to withstand high pressure.
- Abrasion resistant.
- Rodent proof.
- Crush and kink resistant.
- Resistant to chemicals, acids, alkalies etc.



SOME GENERAL APPLICATIONS

- Pneumatic applications / compressed airflow & suction.
- Agriculture & farming.
- Automobile Industry, Paint services.
- Petrol, Chemicals, Oil Industries.
- Textile Industry.
- Pharma Industries.
- Mining & Rock Drilling.
- Shipping.
- Sewage Disposal & Fire fighting equipment.
- Food & Beverages Industries.
- Building & Construction.
- Gardening & Kitchen farming
- Garage application.
- Pest control.
- Machinery Manufacturing Industries.
- Varied Industrial uses.





AIR & PNEUMATIC HOSE - PIPE (TRANSPARENT)

CONSTRUCTION & APPLICATIONS

RealOn Air & pneumatic hose is reinforced with high tenacity yarn to meet the pressure requirements for general construction work, road building, tunneling metallic and non metallic ore mines, in structural shops with chipping, grinding and revetting application service stations for tyre inflation, for pneumatic tools use in industries and for heavy duty suction and delivery of water and chemicals.



SPECIFICATIONS :

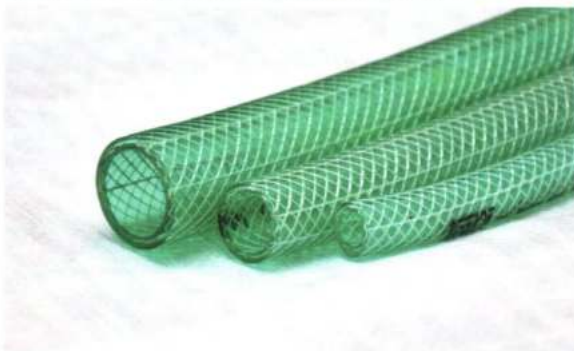
Size mm	Wall Thickness mm	Working Pressure (at 30° c kg/CM ²)	Standard Lengths (mtrs.)
5	2.5	15	50/100/200
6	3.0	25	50/100
8	3.0	25	50/100
10	3.5	25	50/100
12	3.5	20	50/100
15	3.5	20	30/50/100
20	4.0	20	30/50/100/2000
25	4.8	15	30/50/100
31	4.8	15	30/50/100
40	5.0	15	30/50/100
45	5.5	10	30/50/100
50	6.0	10	30/50/100
58	6.5	8	30/50
63	7.0	8	30/50
75	8.0	6	20/30



WATER HOSE-PIPE (GREEN)

CONSTRUCTION & APPLICATIONS

RealOn Water hose is recommended for general water supply in gardening, steel mills, engineering works, construction purpose, irrigation projects and wide range of allied application. It is flexible & light in weight, also split proof compared to typical rubber tubes.



SPECIFICATIONS :

Size mm	Wall Thickness mm	Working Pressure (at 30° c kg/CM ²)	Standard Lengths (mtrs.)
12	2.0	7	30/50/100
20	2.5	7	30/50/100
25	3.5	5	30/50/100

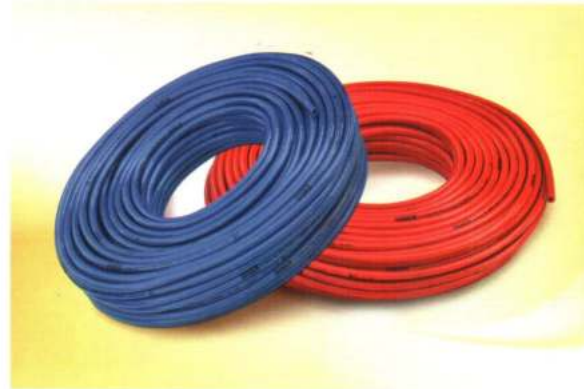
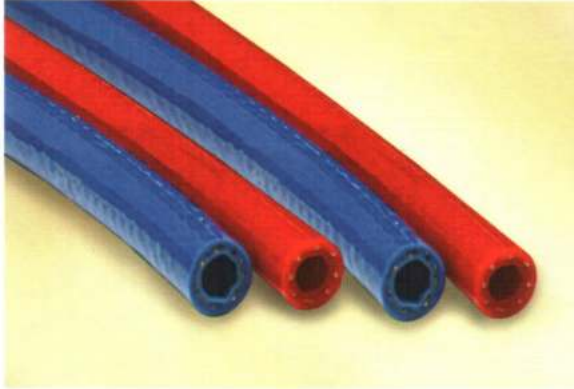


WELDING HOSE - PIPE (RED & BLUE)

CONSTRUCTION & APPLICATIONS

RealOn welding hose meets all requirements for welding, brazing and cutting operations including oxygen & acetylene welding by hand & machine. It is also used for other non-combustible gases.

RealOn red welding hose is used for acetylene application while blue hose is used for oxygen and other non-combustible gases



SPECIFICATIONS :

Size mm	Wall Thickness mm	Workig Pressure (at 30n° c kg/CM ²)	Standard Lengths (mtrs.)
6	3.0	25	50/100
8	3.0	25	50/100
10	3.5	25	50/100



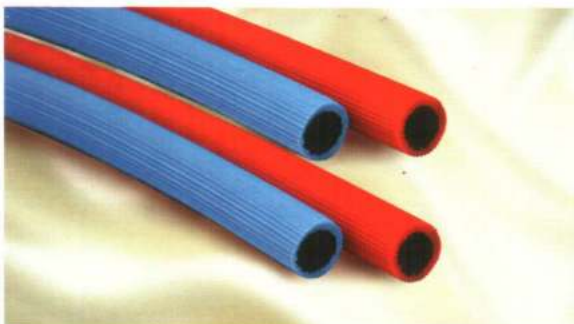
THERMOPLAST WELDING HOSE-PIPE (RED & BLUE)

CONSTRUCTION & APPLICATIONS

RealOn Thermoplast welding hose is made of special thermoplastic compound which gives the hose more flexibility & heat resistance during welding, brazing & cutting operation by hand and machine.

The compound gives the hose more flexibility resistance against the sparks during operations, it also gives the hose protection against the heat & stability for higher working pressure.

The hose can be used in all types of industrial workshops, oil refineries, steel mills, ship building and repair yards, service station, garages etc.



SPECIFICATIONS :

Size mm	Wall Thickness mm	Working Pressure (at 30° c kg/CM ²)	Standard Lengths (mtrs.)
8	3.5	20	50/100

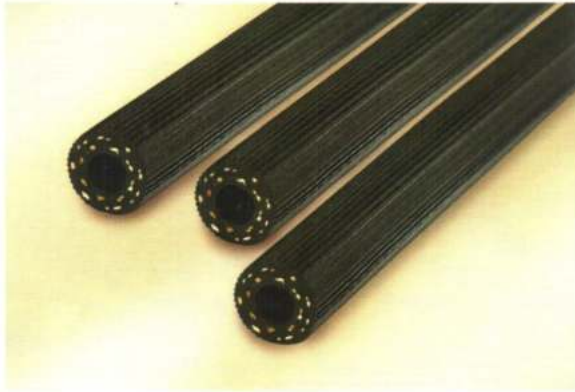


CAR-WASHING HOSE - PIPE (BLACK)

CONSTRUCTION & APPLICATIONS

RealOn Car-Washing hose are double braided & made of 100% oil resistant PVC compound & braided with extra strong fine yarn to withstand working pressure upto 30/40 Kg/CM².

The outer surface of our hose is totally abrasion resistant which is suitable for washing vehicles in garages, service stations to withstand unavoidable oil, grease contamination.



SPECIFICATIONS :

Size mm	Wall Thickness mm	Working Pressure (at 30° c kg/CM ²)	Standard Lengths (mtrs.)
10	5.0	40	60/100
12	5.5	30	60/100



SUPER-SPRAY HOSE-PIPE (YELLOW)

CONSTRUCTION & APPLICATIONS

RealOn Super-Spray hose is suitable for high pressure spraying of water based chemicals, insecticides, fungicides, weeding etc. In plantation orchards forestry, parks, vineyards, maintenance and similar agricultural application involving spraying by hands or power driven pumps.



SPECIFICATIONS :

Size mm	Wall Thickness mm	Working Pressure (at 30° c kg/CM ²)	Standard Lengths (mtrs.)
10	5.0	40	60/100
12	5.5	30	60/100



CONSTRUCTION & APPLICATIONS

RealOn PVC flexible suction & delivery hoses are designed incorporating a rigid PVC spiral as an integral part of the soft PVC wall. The anti-shock rigid spiral imparts superior crush resistance to the hose. Specially formulated PVC compounds develops a top grade medium duty suction & delivery hose for meeting the challenging service conditions in suction & delivery of water for irrigation purpose agriculture with electric mono block and oil engine. Also for suction & delivery of saline water, light acids, alkalies and other chemicals except solvents for conveying of granules or fine particles of raw materials in processing industries in general this flexible hose can work with superior efficiency and offers more service life compared to rubber suction and delivery hoses.

ADVANTAGES :

- **Light weight** : Often only ¼ that of rubber hose has which makes it easy to carry and install.
- **Flexibility** : The flexibility of hose is retained for many years, It can be bent as desired. No kinking or bulging even in the most severe working conditions.
- **Resistance** : It shows strong resistance in high pressure and most of the chemicals, light acids, alkalies excepting solvents. Ideal for high pressure suction & delivery of water.
- **Weather proof** : Easily installed even to non-standard couplings.
- **Smooth Bore** : Allows fast flow.



SPECIFICATIONS :

Nominal Size		Diameter		Bending Radius mm	Pressure (at 30° c)		Standard Lengths (mtrs.)
Inches	mm	ID mm	OD mm		Working Pressure (kg/CM ²)	Bursting kg/CM ²	
3/4	20	19.0*	23.6**	45	7.0	24.0	30/50
1	25	25.4*	30.0**	55	7.0	20.0	30/50
1 ¼	30	31.8*	36.8**	75	6.5	20.0	30/50
1 ½	40	38.0*	43.3**	95	5.0	16.0	30/50
2	50	50.8*	57.8***	122	4.0	16.0	30/45/50
2 ½	65	63.5*	72.0***	160	4.0	16.0	30/45/50
3	75	76.2*	85.0***	272	3.5	15.0	30/36
4	100	101.2*	112.2****	290	3.5	11.0	15/18/30

Recommended maximum working temperature : 60/70° C

Variation in ID/OD : { * = ± 0.5 } { ** = ± 1.0 } { *** = ± 1.5 } { **** = ± 2.0 }



CONSTRUCTION & APPLICATIONS

RealOn PVC flexible heavy-duty suction & delivery hoses are designed incorporating a rigid PVC spiral as an integral part of the soft PVC wall. The anti-shock rigid spiral imparts superior crush resistance to the hose. Specially formulated PVC compounds develop a top grade heavy-duty Suction & Delivery Hose for meeting the challenging service conditions. It is used in coal and mineral mines, stone & lime quarries, shipping, sewage disposal, aqua culture, paper mills, cement conveying, chemical industries, petrochemicals & oil exploration, fire fighting equipment, constructional engineering, general industrial service etc.

ADVANTAGES :

- **Resistance** : It shows strong resistance to high pressure and external impacts and can easily withstand absolute vacuum too.
- **Flexibility** : No question of kinking or crushing even while in severe conditions and the hose is totally abrasion resistant.
- **Light Weight** : Our heavy-duty hoses are more efficient & lighter in weight than conventional multilayer and wire reinforced ply type rubber hoses which makes the handling much easier.
- **Weather Proof** : Resistant to sun, ozone and weather.
- **Smooth Bore** : Smooth inside surface assures a high flow rate.



SPECIFICATIONS :

Nominal Size		Diameter		Bending Radius mm	Pressure (at 30° c)		Standard Lengths (mtrs.)
Inches	mm	ID mm	OD mm		Working Pressure (kg/CM ²)	Bursting kg/CM ²	
1	25	25.4*	31.5*	48	8.0	25.0	30
1 1/4	30	31.8*	38.8*	68	7.0	21.0	30
1 1/2	40	38.0*	46.3***	70	5.5	18.0	30
2	50	50.8*	60.8***	100	4.5	18.0	30
2 1/2	65	63.5*	74.5***	120	4.5	18.0	30
3	75	76.2**	87.2***	155	4.5	18.0	30
4	100	101.2***	114.2****	213	4.0	14.0	30
5	125	127.0***	141.0****	230	3.0	10.0	15/18
6	150	152.4***	169.4****	375	2.5	9.0	15/18
8	200	203.2***	224.4****	600	2.5	8.0	4.5/6
10	250	254.2****	284.0****	1000	2.5	8.0	4.5/6
12	300	300.0****	340.0****	1000	2.5	8.0	4.5/6

Recommended maximum working temperature : 60/70° C

Variation in ID/OD : {* = ± 0.5} {** = ± 1.0} {*** = ± 1.5} {**** = ± 2.0}

CONSTRUCTION & APPLICATIONS

RealOn PVC oil hose is secured by proper placement of hard spiral of rigid PVC in the soft wall which imparts strength as well as required flexibility to the entire hose length. It is recommended for conveying diesel fuels, kerosene, liquid petroleum products, lubricating oil, mineral, oils, light oils, transformer etc.

ADVANTAGES :

- **Flexibility** : Specially designed to have greater flexibility than rubber, hose can be bend as desired in practical uses. It has unique properties of flexibility which is maintained throughout its long duration.
- **Resistant to oil and other chemicals** : Our hose is made from special oil resistant PVC compound that's why it is preferred by quality conscious customers.
- **Ageing** : Unlike rubber hoses it will not be cracked nor aged and hence, our oil hoses are durable for a very long period and proves economical.
- **Resistance to absolute vacuum** : This proves the exact suitability for suction & delivery applications.
- **Easy to handle** : Our oil hose is unbelievably lighter in weight then compared to the commercial rubber products which make the handling much easier.
- **Quite tough** : Tough to resist distortion under impact & crush loads during service.
- **High flow rate** : Smooth inside surface results in quick conveyance of fluids. This means minimum friction loss saves higher energy and gives high flow rate.



SPECIFICATIONS :

Nominal Size		Diameter		Bending Radius mm	Pressure (at 30 ^o c)		Standard Lengths (mtrs.)
Inches	mm	ID mm	OD mm		Working Pressure (kg/CM ²)	Bursting kg/CM ²	
1	25	25.4*	31.5*	48	8.0	22.0	30
1 ¹ / ₄	30	31.8*	39.0*	68	7.0	21.0	30
1 ¹ / ₂	40	38.1*	46.4**	70	5.5	18.0	30
2	50	50.8*	60.8***	100	4.5	18.0	30
2 ¹ / ₂	65	63.5*	74.5***	120	4.5	18.0	30
3	75	76.2*	87.2***	155	4.5	18.0	30
4	100	101.2***	114.2****	213	4.0	14.0	30

Recommended maximum working temperature : 60/70^oC

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STRUCTURE

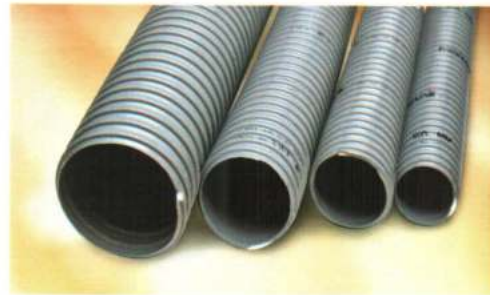
Our duct hose has a specially compounded rigid PVC reinforcement which is helically wound and inseparably fused to the soft inner walls. By its unique construction, ducting results in a thin, very smooth wall, being almost completely protected from any possible crushing.

FEATURES :

- **Light weight & flexible** : The perfect reinforcement of rigid PVC with soft PVC gives it both, strength and flexibility. It is tough, light so easy to carry and handle thus increases working efficiency.
- **Resistance** : Has strong resistance to the most of the chemicals, acids and alkalis and also abrasion resistant with the aid of rigid outer reinforcement which can effectively handle dirt, fiber chip etc.
- **Smooth flow** : Smooth inside surface helps in reducing the frictional resistance resulting in smooth & quick conveyance of material, thereby increasing the flow volume saving electric energy of equipment.
- **Economical to install** : It saves installation time and money. It is easily fitted by securing with a band of wire. Any suitable end fittings can be cut in to desired lengths instantly and installed.

APPLICATIONS :

- Cold or warm air installations of various kinds.
- Removing fumes from factories, fuel tanks and underground installations.
- Dust collection from various machines.
- Discharge of welding gas at the welding job site.
- Air cleaner hose for vehicles and heavy equipments.
- For dung cart.
- Conveying of granules or fine particles of raw material in processing industries.
- In domestic vacuum cleaning equipments.
- In washing machines.
- For carding machines and draw forms in Textile Industry.
- Transportation of wheat and other cereals in the course of processing.



SPECIFICATIONS :

Nominal Size		Diameter		Bending Radius mm	Standard Lengths (mtrs.)
Inches	mm	ID mm	OD mm		
5/8	16	16.0	22.00	22	30
3/4	22	21.0	28.60	35	30
1	25	25.4	32.10	45	30
1 ¹ / ₄	30	31.8	38.60	50	30
1 ¹ / ₂	40	38.0	45.00	55	30
2	50	50.8	57.20	65	30
2 ¹ / ₂	65	63.5	71.50	75	30
3	75	76.2	83.50	95	30
4	100	101.2	108.90	125	30
5	125	127.0	135.20	140	15
6	150	152.4	161.10	205	15
8	200	204.0	214.40	270	15
10	250	254.0	265.00	370	10
12	300	305.0	320.00	370	10

60mm, 80mm, 90mm, 110mm, 140mm, 160mm, 225mm sizes are also available on request.



CONSTRUCTION AND APPLICATIONS

Our Non-Toxic hose is made of special Non-Toxic PVC compound which is safely recommended for conveying food products, beverages, arreated drinks, powdered cereals and their by products etc.

ADVANTAGES :

- The inside surface of our hose is smooth and it will make cleaning of hose very easy after every use.
- As the hose is clear transparent, you can make sure that there is no left over particle of dirt on the inside wall after cleaning.
- Visible flow.
- Good resistance to oil and other chemicals.
- Light in weight.
- Tough enough to resist distortion under impact and crush loads during service.
- Resistance to absolute vacuum assures ideal suitability for suction and delivery application.



SPECIFICATIONS :

Nominal Size		Diameter		Bending Radius mm	Pressure (at 30 ^o c)		Standard Lengths (mtrs.)
Inches	mm	ID mm	OD mm		Working Pressure (kg/CM ²)	Bursting kg/CM ²	
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1 1/4	30	31.8*	36.8**	75	6.5	20.0	30
1 1/2	40	38.0*	43.3**	95	5.0	16.0	30
2	50	50.8*	57.8***	122	4.0	16.0	30
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3	75	76.2*	85.0***	272	3.5	15.0	30
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