



Aadarsh Hydropneumatics

“Aadarsh Hydropneumatics” is one of the leading supplier and exporter of Hydraulics, Pneumatics, Valves and Cocks. We are an established venture in Ahmedabad, India as a notable merchant trader and exporter of engineering products. We source high-quality products from renowned manufacturers in India. Our vendors have more than 25 years of expertise in the domain of Hydraulics and Pneumatics.

We are one of the most popular industries in the market that Export, Trade and supply efficient quality of Hydraulics and pneumatics to our buyers across the world.

Aadarsh Hydropneumatics is located at Ahmedabad (Gujarat, India). The company was intercepted by Mr. Darshan K Shah is a B.tech mechanical engineer, who holds more than 10 years of experience in the domain.

Why us?

Some of the salient features that set us apart in the industry:

Vast range of quality- assured products.

Efficient product supply chain.

Timely deliveries of consignments.

Ethical business practices.

Transparent business dealings.

Reliable vendor base with more than 25 years of expertise.

Huge distribution system.

Technical support.

Mission:

Our mission is to leave a footprint and set a benchmark across the worlds as a leading exporter of Hydraulic and Pneumatic product from India. We aim at providing one stop custom sourcing solution to your business.

Industries that we serve to:

Aadarsh Hydropneumatics provides innumerable solutions in Hydraulics and Pneumatics products to the following industries:

- | | |
|---|-----------------------------------|
| ▪Process Machineries | •Foods and Packaging Industries |
| ▪Steel industries | •Earthmoving Machineries |
| ▪Chemical industries | •War ship |
| ▪Ship Building and Offshore Engineering | •Cement Industries |
| ▪Winches and Cranes | •Sugar mills |
| ▪Mining Industries | •Construction Machineries |
| ▪Hospital Equipment Mfg Industries | •Injection moulding Machine |
| ▪Vehicles and Military Engineering | •Bricks Making Machine |
| ▪Textile Machinery | •Steel industries |
| ▪Railways and Metros | •Plastic / Die casting Industries |
| ▪Automobile Industries | •Agriculture Industries |
| ▪Oil and Gas Industries | •Bricks Making Machine |
| ▪Environmental Engineering | •Construction Machineries |
| ▪Fire suspension system | •Aerospace Industries |
| | •Submarine Manufacturing |
| | •Automobile Industries |

One stop solution for all your need of Industrial Hydraulics and Pneumatics.

Products

❖ **HYDRAULIC HIGH PRESSURE HOSE
(WITH OR WITHOUT FITTING)**

HS CODE: - 4009 21/22

❖ **S.S. FLEXIBLE CORRUGATED BELLOW HOSES
(WITH OR WITHOUT FITTING)**

HS CODE: - 8307 10

❖ **TEFLON CORRUGATED HOSE**

HS CODE: - 3917

❖ **QUICK REALISING COUPLING**

HS CODE: - 8481 80

❖ **POLYURETHENE TUBE (P.U TUBE)**

HS CODE: - 3917 32/39

❖ **P.P CLAMP / PVC CLAMP**

HS CODE :- 7307 99

❖ **CAM LOCK COUPLING**

HS CODE :- 7325 99

❖ **M.S. /S.S. HYDRAULIC FITTING AND FERRULE FITTINGS**

HS CODE: - 7307 11/99

❖ **BRASS HYDRAULIC FITTINGS**

HS CODE: - 7412 20

Hydraulic High Pressure Hoses

High pressure hoses are design for hydrostatic transmission and impulse applications. Each hose is designed to meet or excess SAE specification and performance requirement. These hydraulic hoses are compatible with Hydraulic fluid, Vegetables, Oil, Gases, Mining and Manufacturing. Also used in transferring high temp fluids.

These are providing optimum performance and flexibility for easier routing and plumbing.



S.S. Flexible bellow hoses

Metal hose is a flexible metal line element. There are two basic types of metal hose that differ in their design and application: strip wound hoses and corrugated hoses. Strip wound hoses have a high mechanical strength (e.g. tensile strength and tear strength). Corrugated hoses can withstand high pressure and provide maximum leak tightness on account of their material. Corrugated hoses also exhibit corrosion resistance and pressure tightness under the most extreme conditions, such as in aggressive sea water or at extreme temperatures such as found in space or when transporting cooled liquid gas. They are particularly well suited for conveying hot and cold substances.

In addition, our clients can avail these hoses from us in different grades and designs as per their requirement.



Teflon Corrugated Hose

P.T.F.E hose has 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

Braided Teflon (PTFE) hose is an extruded Teflon core with an outer stainless steel braid for strength. Teflon (PTFE) hose is flexible and strong, when combined with stainless steel, can perform under high pressure and continuous flexing and vibration conditions. With a wide range of chemicals compatibility Teflon hose can handle an almost endless variety of fluids at extremes of pressure and temperature. Almost no substance can stick to Teflon. This property ensures the purity of any product transferred via a Teflon hose. It also allows for alternate use with different products. Typical applications include high pressure & high temperature for brake, clutch and power steering lines off-road brake, transmission, clutch, gauge, nitrous oxide, hydraulic and air conditioning.

Features

High temperature resistant, operating temperature: $-50^{\circ}\text{C} \sim 210^{\circ}\text{C}$

Corrosion resistant to strong acid, strong base, chemical reagent, oil etc

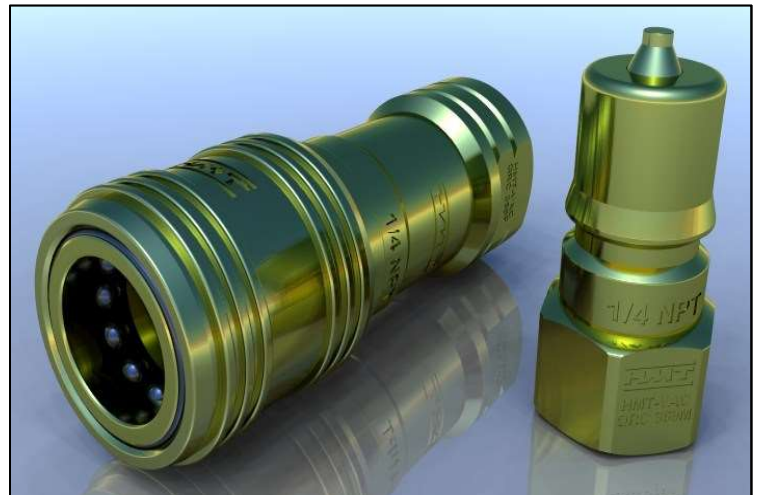
Transient temperature resistant range: $-70^{\circ}\text{C} + 260^{\circ}\text{C}$



Quick releasing coupling

High-quality quick-action coupling made of Mild steel, stainless steel, brass or plastic for practically every application contingency. Very robust, rapid and secure coupling of practically all fluid media. Special solutions for your application needs can also be implemented upon request.

A quick connect fitting, also called a quick disconnect or quick release coupling, is a coupling used to provide a fast, make-or-break connection of fluid transfer lines. Operated by hand, quick connect fittings replace threaded or flanged connections, which require wrenches. When equipped with self-sealing valves, quick connect fittings will, upon disconnection, automatically contain any fluid in the line.



Polyurethane tube

Pneumatic P.U Pipes are mandatory in all Pneumatic applications and we keep a vast range from 4 mm up to 16 mm. There are also several variations of Pipes such as Coiled Hose, Hose Reels which is all available under our roof.

SALIENT FEATURES:

- Five times lighter than rubber
- Rubber likes flexibility over a wide range of temperature and hence radii of curvature can be very small without flattening and loss of pressure
- Excellent resistance to abrasion and low temperature, Resistance to all types of weathering
- Excellent resistance to oils, greases, aliphatic hydrocarbons, oxygen and ozone
- High cutting strength, Folding stability, Resistance to flex cracking
- Multi colors for easy identification
- In-built meter marking on the tube for ready measure. Non toxic, No smell
- Working Pressure - up to 10Kg/Cm²
(Subjected to standard wall thickness)



Pipe Clamp / P.V.C Clamp

Stuff pipe clamps are made accordance with DIN 3015 standards. Stauff pipe clamps are used for quick and easy pipes and hoses installations. They are used to reduce the impact and vibration of fluid flow and provide strength in the direction of the tube axis.

Pipe clamps are commonly known as pipe brackets, pvc clamps, pipe clamps, tube clamps, or just stuff clamps. Stuff pipe clamps are typically available in three series: Standard. Heavy, and Twin. Common materials used for pipe clamps are polypropylene (PP), polyamide (PA), Aluminum (AL). Different configurations of pipe clamp are available to suit different requirements.



Cam lock Coupling

A cam and groove coupling, also called a cam lock fitting, is a form of hose couplings. This kind of coupling is popular because it is a simple and reliable means of connecting and disconnecting. Quickly and without tools.

Cam lock Couplings Are Manufactured in Compliance With Mil-c-27487 (a-a-59326) Specification. Their Construction, as Well as Operation, Is Very Simple. The Coupling Is Connected Just by Opening the Coupler Arms and Inserting the Adapter Into the Coupler. The Cam Arms Are Then Closed Under Normal Hand Pressure to Complete Joint. The Standard Coupling Is Supplied With a Nitrite/Silicon Rubber Seal That Is Placed in the Groove of a Coupler. The Couplings Are Made of: Aluminum, Brass (Bronze), Aisi 316 Stainless Steel, Polypropylene Reinforced With Bre Glass. Handles Are Made of Aisi 304 Stainless Steel as a Standard for All Couplings Made of Brass, Stainless Steel, Polypropylene and for Aluminum Couplings in Sizes 1/2", 3/4", 1", 5" and 6". The Couplings Made of Aluminum in Sizes Ranging From 1.1/4" to 4" Have Brass Handles as a Standard.



M.S / S.S Hydraulic fitting and M.S Hydraulic ferrule fittings

Hydraulic fittings connect conductors such as hoses, pipes and tubes in a hydraulic system. Most fittings have a male and female component that join to form a connection. These connections help contain and direct the flow of hydraulic fluid in the conductor while preventing leaks and maintaining pressure. Different fittings allow designers to change flow direction, the elevation of lines or split flow. Crimping is the most common method for assembling hoses and fittings. Once the crimp specifications have been checked for the specific hose and fitting, a crimping machine is adjusted to the appropriate crimping diameter setting. The next step is to lubricate the fitting, put it on the end of the hose, and then put it in the crimping machine.



Brass Fittings



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Hydropneumatics**



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