



www.arvicorubber.com



info@arvicorubber.com



+91 90822 67081



104, Shanta Industrial Estate, I B Patel Road,
Goregaon East, Mumbai- 400063, Maharashtra (India)



2/A 4/B, K.K. Shah Compound, Manor Road,
Palghar East – 401404, Maharashtra (India)



ARVICO RUBBER INDUSTRIES
Moulded To Perfection

ABOUT US

Established in 1966, we have worked our way through unprecedented challenges, including precise customer demands, demanding deadlines, and market fluctuations. We are one of India's leading manufacturers and exporters of Polymer and PTFE products.

Arvico is an established rubber component manufacturer dealing with Custom-engineered Products, Diaphragms, Extruded Profiles, Butterfly Valve Seat and Screw Pump Stator designed to match customer expectations. We are also specialists in O-rings, Moulded Rubber parts, Metal/PTFE bonded rubber products & much more.

We take complete ownership of the quality of products you will receive and have a fully functional, very efficient testing team that takes care of quality standards and compliances your specifications can be matched precisely and with 100% accuracy.



OUR VALUES



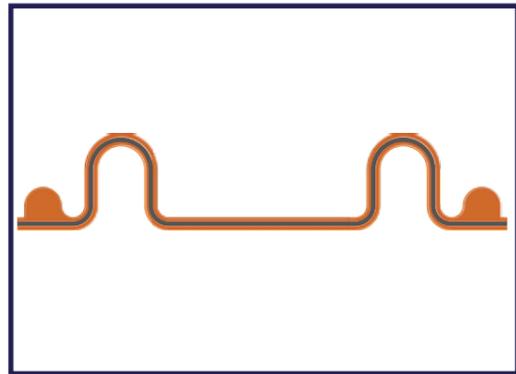
WHY US

<p>Our processes are designed to reduce overhead costs, bringing down the final price you pay for your components.</p>	<p>Our product portfolio is varied – we have about 50,000+ individual products created based on customer specifications.</p>
<p>We welcome customized orders. Our in-house tooling and compounding and designing team ensures your specifications are met 100% every single time.</p>	<p>We hate delays as much as you do and understand how much they affect our clients. That's why we always strive to deliver products on or before deadlines.</p>

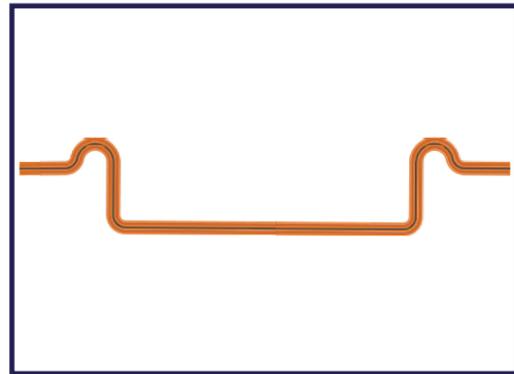
INDUSTRIES WE CATER TO



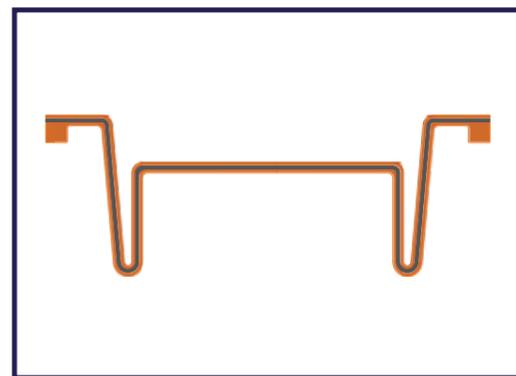
DIAPHRAGM CLASSIFICATIONS



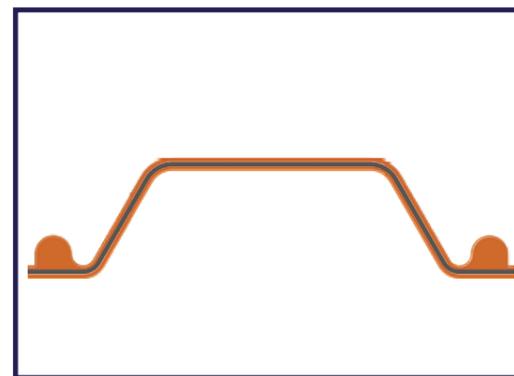
Beaded Flange Crimped Diaphragm



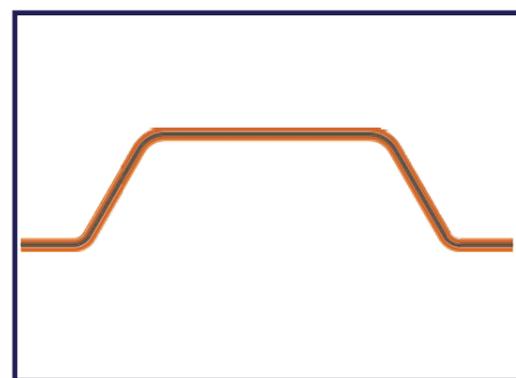
Actuator Diaphragm



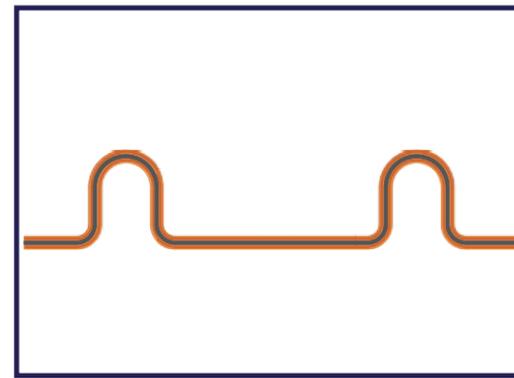
Cup Type Diaphragm



Beaded Flange Diaphragm

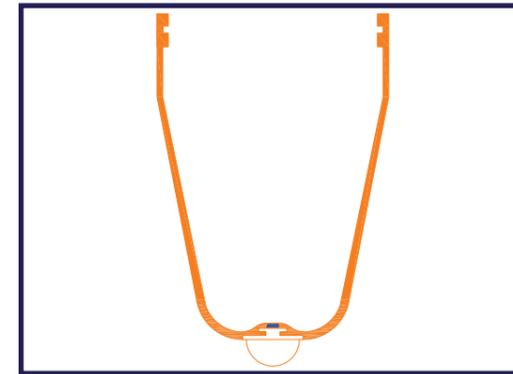


Flat Flange Diaphragm

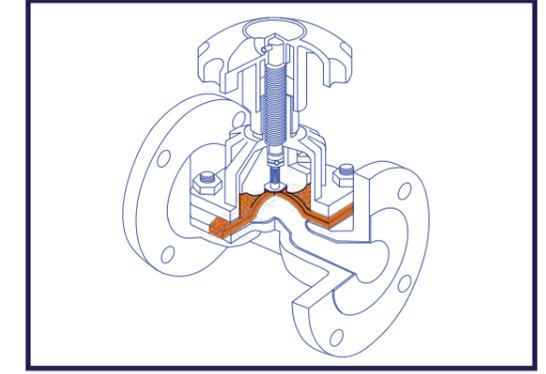


Crimped Diaphragm

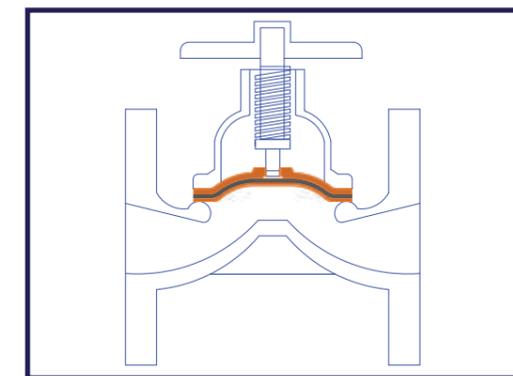
DIAPHRAGM CLASSIFICATIONS



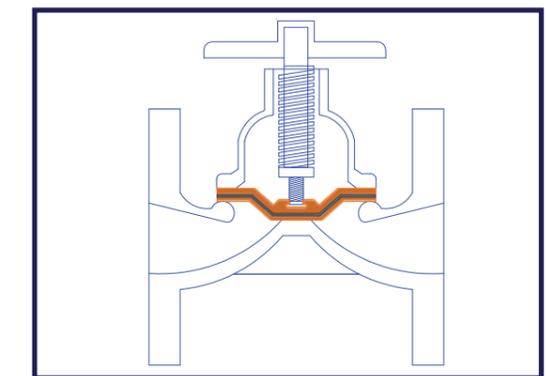
Cup Type Vertical Diaphragm



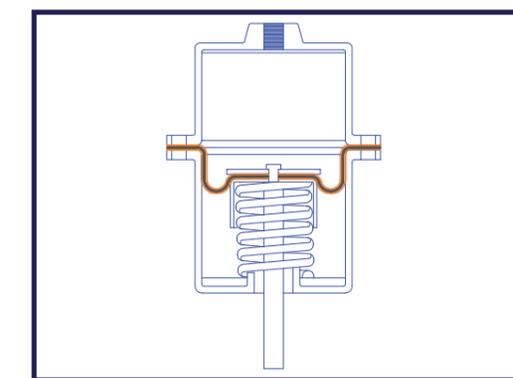
Valve Weir 'A' Type Diaphragm



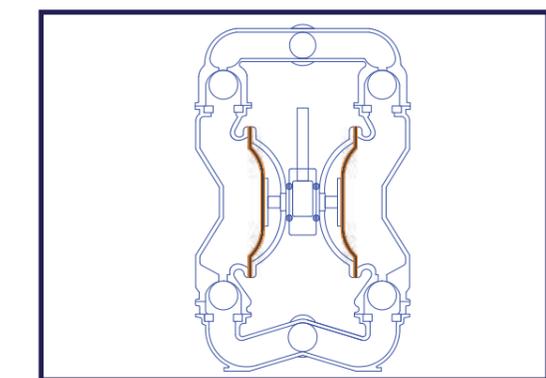
Open to Close Diaphragm



Close to Open Diaphragm



Rolling Actuator Diaphragm



Pump Diaphragm

Arvico Rubber manufactures the following categories of Rubber Diaphragms in various grades of rubber such as Natural, Nitrile, Neoprene, Hypalon, Butyl, EPDM, Silicone, Viton, and many more.



Valve Weir 'A' Type Body Diaphragms (Open To Close)

Valve Diaphragms by Arvico Rubber fulfils the needs of most corrosive and abrasive applications. On pressure and vacuum, diaphragm operates Open and close 100 % leak tight even after thousands of operations enhancing Valve performance , superior flex life, saving significant operation costs.

- Size Range: 6 mm to 350 mm
- In PTFE Bonded : 6 mm to 250 mm

Straight Through "KB" Type Body Diaphragms (Close To Open)

Our diaphragms have fabric sandwiched between two elastomer layers to withstand higher pressures which offer flexible movements during the process. Our diaphragms with a non-turbulent flow are ideally suited for demanding abrasive applications with 100% leakage-free operation and low maintenance costs.

- Size Range: 15 mm to 200 mm



Control Valve Diaphragms

Arvico rubber manufactures and exports Control Valve Diaphragms. We offer various types of diaphragms in different thicknesses, which can work in extreme cold conditions to maintain pressure & temperature with hassle-free operation.

Actuator Diaphragms

The valve actuator moves the stem, compressor, and diaphragm simultaneously. Actuator diaphragms help to regulate the flow and transfer of fluids. They act as a flexible barrier between two chambers preventing the movement of fluids. We provide actuator diaphragms based on customer specifications and needs.



Solenoid Valve Diaphragms

The Solenoid Valve consists of a rubber diaphragm, a thin, flexible membrane used to control the opening and closing of the Valve, thereby changing the state of the Solenoid Valve. We offer Nylon fabric reinforced Rubber Diaphragms with Metal Assembly as per customer specifications and requirements.

- Size Range: 15 mm to 50 mm

AODD Pump Diaphragms

Along with Valve Diaphragms, Arvico Rubber can manufacture pump diaphragms too. An AODD (Air Operated Double Diaphragm) pump handles fluids, Abrasive Slurries & Sticky Fluids that are hard to move and react to. A suitable diaphragm is undoubtedly one of the most crucial components of an AODD pump.

- Size Range: 15 mm to 80 mm



Rolling/Cup Type Diaphragms

Arvico Rubber's rolling diaphragms are flexible fluid control devices. They are crucial in systems involving the sealing function of a cylinder and piston. Rolling diaphragms are typically made of elastomer and fabric sandwiched between two layers of rubber. We offer rolling diaphragms to precisely meet the requirements of your application.

Dosing / Metering Pump Diaphragms

We offer PTFE Laminated Diaphragms with Metal/ Nylon Inserts embedded, which are used in Dosing Pumps in various industries. The PTFE layers offer resistance against highly corrosive chemicals, thereby increasing the life of the Diaphragm. These are leakproof and commonly used for highly corrosive or toxic media.





Pressure Reducing Valve Diaphragms

These Diaphragms are flexible seal that helps the Valve to take high inlet pressure and reduce it to lower outlet pressure. Our diaphragms can sustain a temperature maximum of up to 250 °C to -25 °C.

Expansion Bellow

Rubber Expansion Bellows are an assembly which are used primarily in piping applications to compensate for thermal expansion and contraction, reduce noise and vibration produced by the rotating element as well as relieve pipe stress during operation. We offer Bellows with and without Metal Flanges. Arvico Rubber offers a range of Rubber Expansion bellows depending on the application and client requirement. These include Single, Double Arch, Tripe Arch Rubber Expansion Bellows, Floating Flange Rubber Expansion Bellows, Twin Sphere Connectors as well as Duct Type Expansion Joints.

- Size Range: 25mm to 1200mm



Vaccum Pump Diaphragms

Arvico Rubber offers Vaccum Pump Diaphragms which help to change the pressure in a contained space to create a full or partial vacuum either mechanically or chemically. These diaphragms are manufactured with heavy-duty Fabric Reinforcements.

Fire Protection Deluge Valve Diaphragms

Our diaphragm for the deluge valve utilizes a Kevlar-reinforced hemispherical rubber diaphragm to hold back water when the valve is in standby mode. The diaphragm has been specifically designed for high endurance, coping with working pressure to withstand up to 300 psi. Our diaphragm design, without mechanical moving parts, requires low maintenance and provides an obstacle-free waterway, minimizing the pressure loss through the valve.



Seat For Butterfly Valve

Sleeves or seat rings are blockage units that prevent two parts' leakages. Our Butterfly valve sleeves offer exceptional blockage in three possible leakage paths –pipe sealing, flanges, and operating shafts. We know that even minute differences in the surface or size of these sleeves can lead to a loss of efficiency for our clients. Our butterfly valve sleeves are calibrated precisely, offer exceptionally high pressing actions, and are abrasion-resistant.

- Size Range: 25 mm to 700 mm

Rubber Stators For Screw Pump

Rubber Stators are stationary parts of a rotary system and are usually one of the most vital parts of any screw pump. Stators & Rotors are made using in-house die-cuts and customized based on your requirements. Stators are incredibly resistant to abrasion and tear. They can handle fluctuating temperatures and pressure variations used in various industrial applications where there is a need to drain, pump out and move industrial fluids. We manufacture Screw Pump stators with or without the Outer Metal Casing.



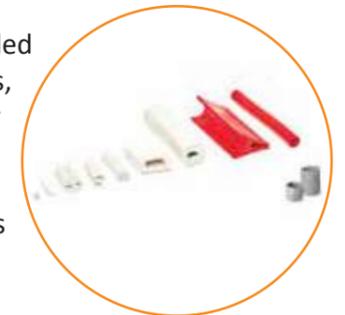
Muff For Pinch Valve

Rubber sleeves of Pinch valves are available in a wide range of elastomers. The reinforced lugs on both sides of our rubber sleeve fixed to the pinching bars help retract of rubber sleeve in vacuum service conditions. Food-grade rubber sleeves are also available. The full-bore sleeve integrates the valve perfectly into the pipeline, eliminates turbulence, and minimizes pressure losses. Technologically advanced sleeves guarantee high wear and corrosion resistance, trouble-free operation, and an extended lifetime.

- Size Range: 25 mm to 200 mm

Extruded Profiles

Arvico Rubber can manufacture various kinds of rubber extrusions like extruded rubber products, extruded gaskets, extruded profiles in different shapes, design and sizes as per customer design / specifications. A variety of rubber extrusions of complex profiles and lengths are available. We can also do edge molding / jointing of rubber profiles through injection molding process & adhesive process. These rubber profiles are stringently monitored on various parameters. Our Extruded Profile features are Heat resistant, Dimensional accuracy, Withstand high pressure and High strength.



PTFE PRODUCTS

Polytetrafluoroethylene (PTFE) is one of the most commonly used materials in the manufacturing industry right now, and PTFE comes with massive benefits to both the manufacturer and the user. Also known as Teflon, Polyflon, or Fluon, PTFE is blessed with ideal temperature handling properties and is resistant to chemical abrasions too. It can withstand temperatures up to -50°C to 250°C.

Arvico's PTFE components are perfect for use in industries that process abrasive and harsh chemicals that can damage internal components with time. We also customize PTFE components for clients based on specific requirements.



Rods



O - Rings



Balls



Diaphragms



Gland Packings



Bellows



Chevron Set



Strip



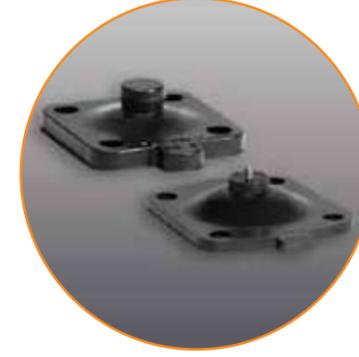
Washer



DIAPHRAGM FITTINGS



Bayonet Type



Button Type



Screw Type

UNIQUE FEATURES

 <p>Extensive Product Capability</p>	 <p>Sizes range from 1/4" to 40" in diameter</p>	 <p>All dies custom fabricated in-house</p>
 <p>Fabric reinforcements can also be used to withstand pressures up to 1000 psi (100 bar)</p>	 <p>Specific elastomers can be used to withstand extremes of temperatures (-50C to +250C)</p>	 <p>Manufacturing of OEM replacement diaphragms</p>



OTHER PRODUCTS



Rubber Sheet



O-Rings



Impeller



Bearing Bush



Hoses



Gasket



Grommets



Chevron Packing



Oil Seals



Vaccum Cup



NRV Flap



Inflatable Gaskets



OUR CLIENTELE



PROTEGO®
Braunschweiger
Flammenfilter GmbH



BURGMER
OUR VALVES FOR YOUR BUSINESS



KRAFT
ARMATUREN FÜR DIE INDUSTRIE



Promoting Green Technology



Certifications & Affiliations



ELASTOMER COMPARISON CHART

PHYSICAL PROPERTIES	NATURAL	NITRILE	HNBR	NEOPRENE	HYPALON
Tensile Strength (Mpa)	22	13	22	14	20.3
Elongation	750%	350%	300%	350%	540%
Hardness Range (Shore A)	40-80	50-80	50-90	50-80	40-95
Low Temperature (°C)	-55	-50	-30	-45	-50
High Temperature (°C)	70	90	150	110	140
Density (g/cm3)	1.1	1.3	1.4	1.3	1.35
Compression Set (ASTM D 395 2B)	20% (24h @70°C)	36% (24h @100°C)	20% (24h @100°C)	35% (24h @100°C)	25% (70h @70°C)
Specific Gravity	0.93	1	1.2	1.23	1.28
Vulcanizing Properties	Excellent	Excellent	Excellent	Excellent	Excellent
Adhesion to Metals	Excellent	Excellent	Excellent	Excellent	Excellent
Adhesion to Fabrics	Excellent	Excellent	Excellent	Excellent	Good
Tear Resistance	Good	Fair	Excellent	Good	Fair
Abrasion Resistance	Excellent	Excellent	Good	Very Good	Excellent
Permeability to Gases	Fair	Fair	Good	Good	Poor
Acid Resistance					
Mild Dilute	Poor	Poor	Fair	Very Good	Excellent
Strong Concentrate	Poor	Poor	Fair	Good	Very Good
Solvent Resistance					
Aliphatic Hydro Carbons	Poor	Excellent	Excellent	Fair	Good
Aromatic Hydra Carbons	Poor	Poor	Good	Poor	Fair
Oxygenated (Ketones, etc)	Poor	Poor	Good	Poor	Poor
Resistance To					
Swelling in Lubricating Oil	Poor	Very Good	Excellent	Good	Good
Oil and Gasoline	Poor	Excellent	Excellent	Good	Good
Animal Oils	Poor	Excellent	Excellent	Fair	Good
Water Absorbtion	Very Good	Very Good	Very Good	Good	Very Good
Oxidation	Fair	Good	Excellent	Very Good	Excellent
Ozone	Poor	Fair	Very Good	Very Good	Excellent
Sunlight Aging	Poor	Poor	Good	Very Good	Excellent
Heat Aging	65°C	90°C	140°C	95°C	135°C
Flame	Poor	Poor	Fair	Good	Good
Heat	Good	Very Good	Good	Very Good	Excellent
Cold	Excellent	Fair	Good	Good	Good

BUTYL	EPDM	SILICONE	FLOUROSILICONE	VITON (FKM)	POLY URETHANE	PTFE
17	15.2	10	8	10	14	31
800%	450%	580%	225%	300%	370%	450%
35-85	50-80	30-80	40-80	70-85	60-90	50-60 Sh D
-50	-50	-50	-63	-45	-62	-80
120	150	230	185	230	100	260
1.3	1.2	1.2	1.5	1.8	1.7	2.16
40% (70h @70°C)	50% (22h @125°C)	39% (22h @175°C)	22% (22h @177°C)	15% (70h @200°C)	35% (22h @70°C)	NA
0.92	0.86	0.98	1.7	1.85	1.06	NA
Fair	Excellent	Excellent	Excellent	Good	Excellent	Excellent
Fair	Very Good	Fair	Good	Good	Excellent	Excellent
Fair	Good	Fair	Good	Excellent	Excellent	NA
Good	Good	Poor	Poor	Fair	Excellent	Very Good
Good	Excellent	Poor	Fair	Good	Excellent	Excellent
Poor	Fair	Fair	Excellent	Poor	Fair	Excellent
Acid Resistance						
Excellent	Very Good	Excellent	Excellent	Excellent	Fair	Excellent
Very Good	Good	Fair	Good	Excellent	Poor	Excellent
Solvent Resistance						
Poor	Poor	Poor	Very Good	Excellent	Excellent	Excellent
Poor	Poor	Poor	Excellent	Excellent	Good	Excellent
Fair	Good	Poor	Fair	Fair	Poor	Excellent
Resistance To						
Poor	Poor	Poor	Excellent	Excellent	Excellent	Excellent
Poor	Poor	Fair	Good	Excellent	Excellent	Excellent
Good	Fair	Good	Excellent	Excellent	Excellent	Excellent
Excellent	Very Good	Excellent	Excellent	Excellent	Fair	Excellent
Fair	Excellent	Excellent	Excellent	Good	Excellent	Excellent
Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Fair	Excellent	Excellent	Excellent	Good	Good	Excellent
110°C	145°C	180°C	180°C	205°C	85°C	350°C
Poor	Poor	Fair	Excellent	Excellent	Fair	Excellent
Very Good	Very Good	Good	Excellent	Excellent	Good	Excellent
Good	Good	Excellent	Good	Fair	Excellent	Excellent

