

Control Valves

A Comprehensive Range for Process Control and Automation



Control Valves

Forbes Marshall is leading manufacturer of steam engineering and control instrumentation solutions. We help our customers save energy, improve process quality and throughput, and run a clean and safe factory.

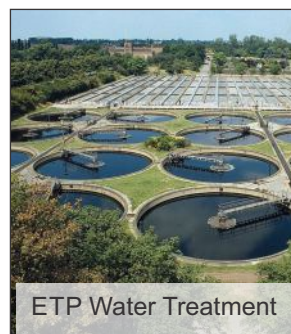
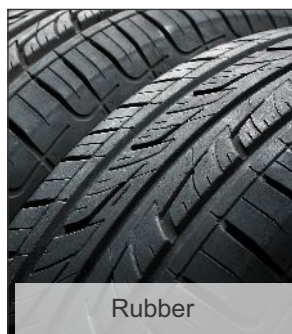
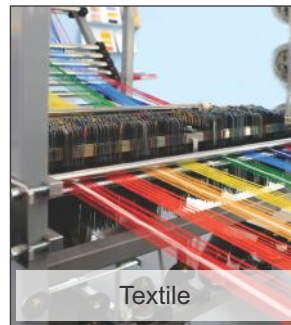
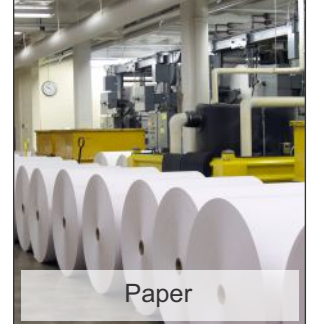
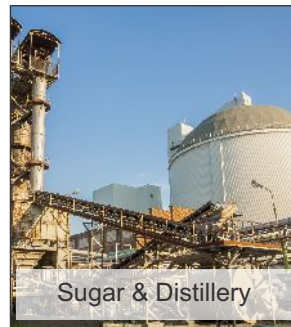
A joint venture between Forbes Marshall and ARCA Regler GmbH Germany was signed in 1985 and the company, aligned towards rapid technological change, successfully started manufacturing and marketing in India, serving various industry verticals with a wide variety of applications.

Forbes Marshall ARCA's leadership in the technology market is based on more than 30 years of experience and continuous development. World class manufacturing plants in Pune provide the best quality products. Production, which is of the highest technical quality and certified according to the relevant quality standards, guarantees a high degree of reliability.


Forbes Marshall ARCA is a leading supplier for all types of Control Valves, Steam Conditioning and Desuperheating solutions. The company designs, manufactures and supplies control valves to various industries like Chemicals, Food & Beverage, Steel, Power, Petrochemical and others. A high degree of vertical integration makes the manufacturing process flexible and ensures a high delivery capacity.


Technical consulting and immediate support is provided by highly-trained service personnel in India and throughout the world.

Industries We Cater To




Ecotrol® Control Valve




2 - Way Valve				
	Size : ½" to 16"			
	Pr. Rating : #150 to #2500			
	MOC : WCB, WC6, WC9, CF8M, CF3M and others.			
	Bonnet : Standard /extended/bellow sealed and pressure sealed			
	<table border="1"> <thead> <tr> <th>Features</th> <th>Advantages</th> </tr> </thead> <tbody> <tr> <td> Single piece design for valve plug and spindle Drop in type reversible seat Top flange/bonnet is SS up to 2 inch and >3 inch bonnet same as body MOC but with bush of SS316 Special V ring gland packing design with micro-sealing element Tubless actuator, design as per NAMUR Special pressure sealed bonnet without boltings suitable for high pressure applications </td> <td> Increases the durability and strength for high pressure applications Increased life and self alignment of the seat Resistance to corrosion and reduced maintenance Zero gland leakage Compact and sturdy design </td> </tr> </tbody> </table>	Features	Advantages	Single piece design for valve plug and spindle Drop in type reversible seat Top flange/bonnet is SS up to 2 inch and >3 inch bonnet same as body MOC but with bush of SS316 Special V ring gland packing design with micro-sealing element Tubless actuator, design as per NAMUR Special pressure sealed bonnet without boltings suitable for high pressure applications
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3 - Way Valve				
	Size : 1" to 10"			
	Pr. Rating : #300 (#600 available on request)			
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PRDS Valves

Top Entry PRDS Bottom Entry PRDS					
	Size : 1" to 12"				
	Pr. Rating : #300 to #1500				
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Desuperheaters

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Roboters

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Positioners

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Positioners

SmartPOZ	Features	Advantages
 <p>The image shows a grey SmartPOZ positioner with a digital display showing '593.1'. It has various ports and a NAMUR mounting flange.</p>	<ul style="list-style-type: none"> Non-contact sensing technique Low air consumption Compatible with HART In-built position feedback option available Tubeless NAMUR mounting 	<ul style="list-style-type: none"> Easy maintenance and no wear and tear of the parts Faster ROI Auto mode calibration and diagnostic features Split range applications Works with volume booster and quick exhaust valves Special settings for desuperheater Works with any single acting linear globe valve

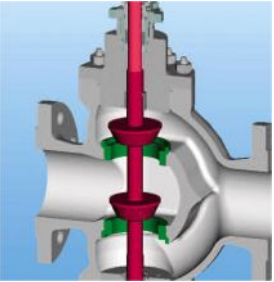
Angle Type Combined PRDS and Pressure Reducing Valves

	Features	Advantages
 <p>The image shows a vertical angle-type valve with a blue actuator and a stainless steel body.</p>	<ul style="list-style-type: none"> Drop in type reversible seat Common guide bushings for different bonnets Modular design catering to high pressure drop applications 	<ul style="list-style-type: none"> Reliable pressure reduction with advanced trim design Retrofitting for existing valves is possible High pressure reduction of boiler steam Reliable pressure control for critical applications


BIOVENT® Hygienic Valves

	Features	Advantages
 <p>The image shows a stainless steel hygienic valve with a spherical housing and a wiper ring seal.</p>	<ul style="list-style-type: none"> Stainless steel spherical housing with zero dead space CIP capable hygiene-committed design Special combination sealing element with wiper ring on the dynamic seal of the valve stems Replaceable plug and clamped valve seat Complies with FDA standards 	<ul style="list-style-type: none"> Helps to maintain ideal flow conditions All residue is drained making the valves easy to clean Prevents media from settling and damage by oxidation Easily adapts to different operating conditions


Double Seated Valves

	Features	Advantages
 <p>The image is a cross-sectional diagram of a double-seated valve showing two seats and a central shaft.</p>	<ul style="list-style-type: none"> Suitable for pretention and versatile control application The classical double-seat construction is largely pressure balanced Double-shaft guiding 	<ul style="list-style-type: none"> The low force requirement and a short stroke allow application of small, low-cost actuators High and solid reliability under difficult operating conditions


Jacketed Valves


	Features	Advantages
 <p>The image shows a jacketed valve with a red handwheel and a stainless steel body.</p>	<ul style="list-style-type: none"> Complete stainless steel body jacketing 	<ul style="list-style-type: none"> Avoids phase change due to temperature and viscosity variations

PFA Lined Valves


	Features	Advantages
	<p>Inner PFA lining</p> <p>Special PTFE bellows</p> <p>Suitable for highly corrosive and acidic applications</p>	<p>Reliable and robust</p> <p>Cost effective (compared to exotic metallic valves)</p>


Special Trims

VHEN Trim	Features	Advantages
	<p>Specially designed series of discs with number of turns in the parallel paths</p>	<p>Suitable for very high pressure drop, anti-cavitation, high velocity and high sound applications</p>

SPLINE Trim	Features	Advantages
	<p>Specially designed trims for micro flow with Kv as low as 0.006</p> <p>Exit diffusers present as an integral part of the trim</p>	<p>No damage to valve body due to exit jet stream</p>

Actuators

811 U - Series	Features	Advantages
	<p>Field reversible</p> <p>Suitable for high actuating thrust process</p> <p>Light weight and corrosion resistant housing</p> <p>Low maintenance and universal design</p>	<p>Suit different accessories</p> <p>Can be modified at site to suit customer plant/control philosophy with minimal changes</p>

812 U - Series	Features
	<p>Compact design</p> <p>Press steel housing</p> <p>Tubless design as per NAMUR</p> <p>Note: Piston actuators available on request</p>



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 Forbes Marshall Arca
 Codel International
 Forbes Solar
 Forbes Vyncke
 Forbes Marshall Steam Systems

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