

Product Portfolio

Rotary & Diverter Valve Manufacturer
Stock & Special Production
Valve Refurbishment Programme
Spares Service

Made in Britain



www.rotaval.co.uk

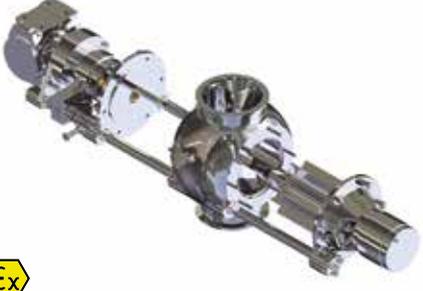
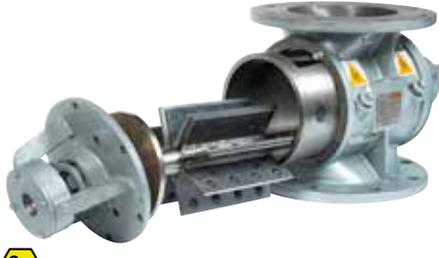
RotaVal

Keeping the World's Industries Solidly in Control

Rotary Valve and Diverter Valve Manufacturers

Rota Val has over 45 years' experience in the supply of Rotary, Diverter and Special Application Valves. Our high quality, economically-priced rotary valves have been carefully designed to meet the exacting demands of modern bulk handling systems, they are manufactured right here in our premises in Wiltshire, United Kingdom, and have been since 1970.

Heavy Duty Modular Rotary Valve (HDM) <input type="checkbox"/> F <input type="checkbox"/> GI <input type="checkbox"/> M <input type="checkbox"/> P <input type="checkbox"/> PB <input type="checkbox"/> PP <input type="checkbox"/> R 	Heavy Duty Modular Cleanable Rotary Valve (HDMC) <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> P <input type="checkbox"/> R 	Heavy Duty Modular Fast Clean Rotary Valve (HDMF) <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> PH <input type="checkbox"/> P <input type="checkbox"/> R
 <p>Ex</p>	 <p>Ex USDA Dairy Accepted</p>	 <p>Ex USDA Dairy Accepted</p> 
<p>DESIGNED FOR: Designed and constructed to ensure a high sealing and feeding efficiency with maximum durability.</p> <p>BENEFITS: A wide range of interchangeable components and design features to ensure that a suitable unit can be specified to the requirements of almost any application.</p>	<p>DESIGNED FOR: Specifically designed for cleaning which can be carried out by plant operators without the need for special tools.</p> <p>BENEFITS: The non-drive end cover can be quickly removed to gain access for cleaning.</p>	<p>DESIGNED FOR: A robust construction makes this fast clean range suitable for use in all types of industry requiring frequent cleaning.</p> <p>BENEFITS: Tapered bore for damage free rotor extraction. Parallel support rails for safe removal of rotor from end cover using rotor support tray. Rota-lign™ bearing assembly for self-centralising of the rotor assembly. Valve Cleaning carried out by plant operators without the need of special tools.</p>

Hypergienic Cleanable Rotary Valve (HGMC) <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> P <input type="checkbox"/> PH 	Hypergienic Fast Clean Rotary Valve (HGMF) <input type="checkbox"/> F <input type="checkbox"/> PH 	Extra Heavy Duty Modular Rotary Valve (EHDM) <input type="checkbox"/> M
 <p>Ex</p>	 <p>Ex</p>	 <p>Ex</p>
<p>DESIGNED FOR: A cost effective solution for occasional cleaning of the valve internal. Suitable for Dairy, Food, Plastics, Pharmaceuticals.</p> <p>BENEFITS: Non drive end cover can be quickly removed to gain access for cleaning, without the need for special tools and a self-centralising rotor design.</p>	<p>DESIGNED FOR: To meet the critical needs of the pharmaceutical and food industries.</p> <p>BENEFITS: Self-centralising rotor design with the patented 'Rota-lign' to ensure quick and easy dismantling for regular cleaning. No special tools required to clean, which makes it operator and user friendly.</p>	<p>DESIGNED FOR: Use where solids handled and operating conditions combine to cause abrasive erosion within the valve.</p> <p>BENEFITS: Full 'on-site' component replacement for increased operating life.</p>

Rota Val's Range of Applications

Suitable for a diverse range of industries including dairy, food, general industry, mineral, plastics, pharmaceutical, power and biomass to name but a few, our valves offer superior performance and proudly support a wide range of applications.

KEY: Product Suitability for Industries

D Dairy	M Mineral	PH Pharmaceutical
F Food	P Plastics	PP Process and Petro-Chemical
GI General Industry	PB Power and Biomass	R Recycling

Blowing Seal Modular (BSM) F GI M P PB PP R	Blowing Seal Modular Cleanable (BSMC) D F P R	Blowing Seal Modular Fast Clean (BSMF) D F PH P R
 <p>Ex</p>	 <p>Ex USDA Dairy Accepted</p>	 <p>Ex USDA Dairy Accepted</p> 
<p>DESIGNED FOR: Designed and constructed to ensure a high sealing and feeding efficiency with maximum durability.</p> <p>BENEFITS: A wide range of interchangeable components and design features to ensure that a suitable unit can be specified to the requirements of almost any application.</p>	<p>DESIGNED FOR: Specifically designed for cleaning which can be carried out by plant operators without the need for special tools.</p> <p>BENEFITS: The non-drive end cover can be quickly removed to gain access for cleaning.</p>	<p>DESIGNED FOR: A robust construction makes this fast clean range suitable for use in all types of industry requiring frequent cleaning.</p> <p>BENEFITS: The non-drive end cover incorporates the new Rota-lign™ bearing assembly. This is a self-centralising rotor design to aid dismantling and re-assembly. So cleaning can be carried out by plant operators without special tools.</p>

Extra Heavy Duty Modular Blowing Seal (EBSM) M	Blowing Seal Vehicle (BSV) F GI	Housed Easy Clean Grid Magnets D F PH P
 <p>Ex</p>	 <p>Ex</p>	 <p>Ex</p>
<p>DESIGNED FOR: Use where solids handled and operating conditions combine to cause abrasive erosion within the valve.</p> <p>BENEFITS: Full 'on-site' component replacement for increased operating life.</p>	<p>DESIGNED FOR: Although the BSV Blowing Seal is designed primarily for mounting on bulk vehicles (the 'on-board' solution) it is also used in fixed installations ('on-site' solution), normally driven by an electric motor.</p> <p>BENEFITS: The valve is driven by a direct coupled in-line variable speed hydraulic motor powered (in the case of the 'on-board' solution) by the vehicle's hydraulic system.</p>	<p>DESIGNED FOR: Removal of fine iron and para-magnetic contamination.</p> <p>BENEFITS: Allows all attracted contamination to be easily & quickly collected. For further inspection or analysis. Can be fitted at the same time as a rotary valve retro-fitted.</p>

Rotary Valves

AUTONOMOUS PROTECTIVE SYSTEM* (Explosion & Flame containment)
EQUIPMENT** (Explosion containment option also available)

- Valve Internal Categories: 1D, 1D2G.
- Valve External Categories: 2D, 3D, 2G, 3G, 2GD, 3GD, Non-Hazardous.

CERTIFICATION SUPPLIED WITH EACH VALVE:

- EC-Type Examination Certificate (Baseefa13ATEX0004X)* / (Baseefa11ATEX0215X)**
- Rota Val EC Declaration of Conformity

Diverter/Pipe Selector Valves

EQUIPMENT (Not flame or explosion containment)

- Valve Internal Categories: 1D.
- Valve External Categories: 2D, 3D, 2G, 3G, 2GD, 3GD, Non-Hazardous.

CERTIFICATION SUPPLIED WITH EACH VALVE:

- EC-Type Examination Certificate (Baseefa15ATEX0058X) / (Baseefa14ATEX0061X)
- Rota Val EC Declaration of Conformity

Flap Diverter Valve (FDF & FDP) F GI	Fill Vent Valve (FVF & FVP) F GI	Heavy Duty Plug Diverter Valve (TB - TBN/TBS) F GI M P PB PP R
		
<p>DESIGNED FOR: Designed to divert product from one conveying line to another.</p> <p>BENEFITS: They are particularly suited to positive and vacuum conveying systems handling non abrasive products.</p>	<p>DESIGNED FOR: Multi-purpose installations.</p> <p>BENEFITS: Can be used in multi-purpose installations as a convey through valve, or to fill and vent a receiving hopper/silo.</p>	<p>DESIGNED FOR: Designed to route virtually any material, including those with a tendency to plug, within a pneumatic conveying system. The TB Plug Diverter can be used in both the diverging and converging modes, in conveying systems up to 1 barg and also vacuum conveying systems.</p> <p>BENEFITS: The design of the plug is such that the bore through the valve is constant, therefore conveying losses are reduced to a minimum. Two versions are available.</p>

RotaSafe™ Detection System (RCM)
D F GI PH



DESIGNED FOR: Detection systems are required to stop a rotary valve instantly if it detects rotor to housing contact, avoiding valve damage and consequent product contamination. Also, internal damage almost certainly invalidates ATEX certification for flame containment requirements.

BENEFITS: The Rota Val RotaSafe™ RM2 detection circuit is Intrinsically Safe and therefore suitable for all zones.

KEY: Rota Val Accreditations and Certifications



ATEX Directive: When ATEX was first introduced in 2003 Rota Val was the first rotary valve manufacturer to attain Autonomous Protective System Certification. Rota Val continues to expand and update its ATEX certification in conjunction with Baseefa our Notified Body. All explosion proof valves are pressure tested to prove integrity of testing rather than type tested.



EHEDG Certification: EHEDG is a consortium of equipment manufacturers, food industries, research institutes and public health authorities, founded in 1989 with the aim to promote hygiene during the processing and packing of food products. Rota Val are hygiene certified with type ED Class II (closed or open equipment dismantled for dry cleaning only) for a range of their Rotary Valves. This ensures that Rota Val can support food manufacturers by offering products with assurance that they comply with strict hygiene requirements.

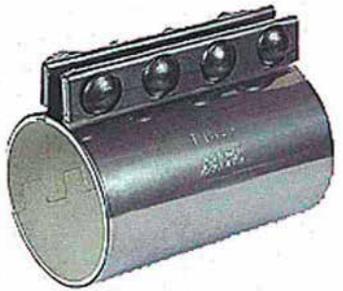


USDA: The US Department of Agriculture is an American government organisation that provides leadership on food, agriculture, nutrition and other related issues.

A selection of our Rotary Valves are USDA Dairy Accredited, complying to strict rules for dairy processes.

Special Rotary & Diverter Valves (SP)

In addition to offering a wide range of standard valve options, Rota Val is able to help you with your non-standard or specialised valve requirements, whether on a one-off basis, or to serve the ongoing requirements of your project, business or industry, where our expertise, accumulated over more than four decades, can be applied to provide a very bespoke solution.

Pipe Selector Diverter Valve (PS)     	Ball Valve Ancillary Equipment (BV)    	Couplings (COU)         
		
<p>DESIGNED FOR: Designed for both lean and dense phase conveying systems up to 4 barg maximum, the fabricated design allows superior surface finishes without the porosity problems associated with castings.</p> <p>BENEFITS: The cross sectional area of the pipe through the valve does not have any steps or ledges, and this ensures smooth product transfer.</p>	<p>DESIGNED FOR: Used for isolating or regulating flow.</p> <p>BENEFITS: When in the open position, it provides a full bore flow with no obstruction.</p>	<p>DESIGNED FOR: Simple and fast on-site assembly with no special tools required and minimal pipe preparation required.</p> <p>BENEFITS: Many sizes available in galvanised steel or stainless steel, with options for quick release clamps and high temperature gaskets.</p>

Gericke Elbow (VESE)    	Butterfly Valves (BFV)         	Slide Valve (or Knife Gate Valve)         
		
<p>DESIGNED FOR: Creates a non-impact deflection zone to smoothly guide the product round the elbow unique vortex chamber eliminating or greatly reducing wear.</p> <p>BENEFITS: Alleviates angel hair generation in plastic pellet conveying systems. Generates laminar flow on exiting the elbow, reducing or eliminating secondary wear in the straight section immediately after the elbow. Fits into smaller spaces.</p>	<p>DESIGNED FOR: Used for isolating or regulating flow.</p> <p>BENEFITS: In operation, the valve is fully open or closed when the disc is rotated a quarter turn.</p>	<p>DESIGNED FOR: Slide valves are ideal for the control and isolation of granules and powders. Suited to various types of gravity application such as hoppers, silos or screw conveyors.</p> <p>BENEFITS: Used as an isolation valve underneath silos and hoppers for maintenance of the equipment below.</p>

The Complete After Sales Service

Our valves are built to last a lifetime when carefully maintained and serviced. They also come with an **18 month warranty**.

Our RotaCare services includes:



On-Site Surveys

Need advice on existing or new valves? We're happy to arrange on-site surveys to help!



Servicing & Maintenance Contracts

Keep your valves regularly serviced to maximise performance.



Spares

We offer a full spares programme to keep your production up and running.



Training

Do you need support and training during installation? We can supply and engineer to offer guidance through the process. This is chargeable, but a worthwhile investment.



Refurbishment

We also offer a strip and inspect service and will be able to refurbish your valve or, if more beneficial, advise you on the cost to replace. Refurbishments include new parts and paint to return it to new condition.



Quality comes as standard at Rota Val

Rota Val's components are based on continuous innovation linked to superior product reliability and professional aftercare. Rota Val aims to provide its customers with technical excellence and engineering know-how in the field of Rotary and Diverter valves.

Authorised Distributor:



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