

Product Portfolio

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

www.rotaval.co.uk

Made in Britain









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) F GL M P PB PP R	Heavy Duty Modular Cleanable Rotary Valve (HDMC) D F P R	Heavy Duty Modular Fast Clean Rotary Valve (HDMF) D F PH P R
 <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>




Fast Clean Valve (FCT) D F PH PP	Hypergienic Rotary Valve (HG) PH	Extra Heavy Duty Rotary Valve (EHD) M
 <p>DESIGNED FOR: Specifically for the pharmaceutical and high end food industry.</p> <p>BENEFITS: Smaller throat to bore size to enable straighter throat entry of the product.</p>	 <p>DESIGNED FOR: To meet the critical needs of the pharmaceutical and food industries.</p> <p>BENEFITS: The innovative and flexible design allows for variations to individual units to meet specific customer requirements.</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) <div>F GI M P PB PP R</div>	Blowing Seal Modular Cleanable (BSMC) <div>D F P R</div>	Blowing Seal Modular Fast Clean (BSMF) <div>D F PH P R</div>
 <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>

Blowing Seal Fast Clean Valve (BSFCT) <div>D F PH PP</div>	Blowing Seal Vehicle (BSV) <div>F GI</div>	Extra Heavy Duty Blowing Seal (EBS) <div>M</div>
 <p>DESIGNED FOR: Specifically for the pharmaceutical and high end food industry.</p> <p>BENEFITS: Smaller throat to bore size to enable straighter throat entry of the product, incorporating the blow through connection through the bore.</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: 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>



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.

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

Fill Vent Valve (FVF & FVP)

F GI



DESIGNED FOR: Multi-purpose installations.

BENEFITS: Can be used in multi-purpose installations as a convey through valve, or to fill and vent a receiving hopper/silo.

Heavy Duty Plug Diverter Valve (TB range - TBN/TBS)

F GI M P PB PP R



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.

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:

(TBN) Nylatron spring loaded seals, suitable for conveying systems up to 2 barg, no additional controls are required.

(TBS) with Inflatable seals, suitable for conveying systems up to 5 barg, control is by the client's PLC or Rota Val control box.

Flap Diverter Valve (FDF & FDP)

F GI



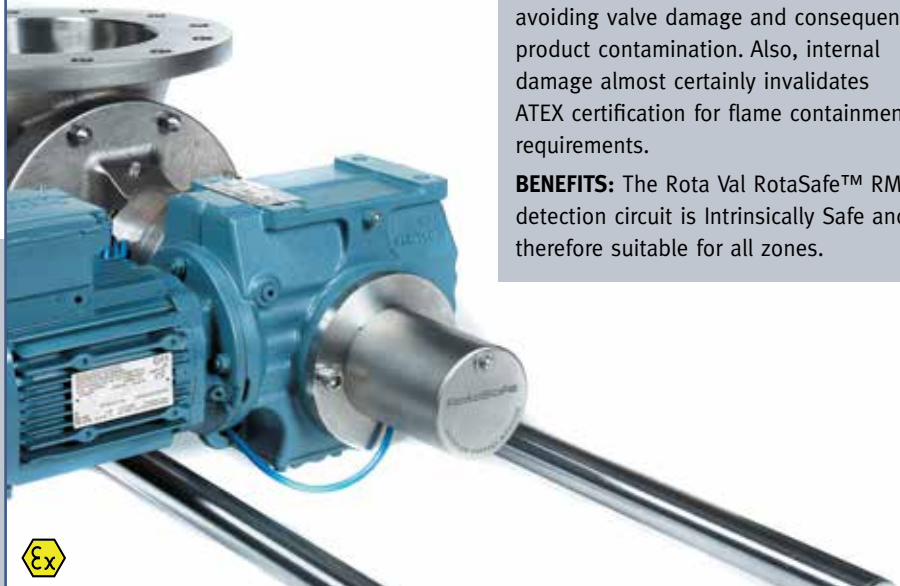
DESIGNED FOR: Designed to divert product from one conveying line to another.

BENEFITS: They are particularly suited to positive and vacuum conveying systems handling non abrasive products.

RotaSafe™ Detection System (RCM)

D F GI PH

RotaSafe™



















































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.

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.

Conveying Plug Valve (CP)      	Pipe Selector Diverter Valve (PS)     	Couplings (COU)         
 <p>DESIGNED FOR: Designed to divert product from one conveying line to another.</p> <p>BENEFITS: They are particularly suited to vacuum conveying systems handling non abrasive products.</p>	 <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: 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 (BV)         	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>

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.

Ball Valve Ancillary Equipment (BV) D F GI PH	Spares Service D F GI M PH P PB PP R	Refurbishment Programme D F GI M PH P PB PP R
 <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>Many of our rotary valves can last a lifetime especially if using our back-up services.</p> <p>We would recommend that customers have a maintenance regime to clean and service their rotary valves, which will help to prolong life.</p> <p>To help with this at Rota Val, we hold stocks of spares that are readily available to order.</p> <p>If we don't have it in stock, we can manufacture to order.</p>	 <p>The refurbishment and repair of old or damaged rotary and diverter valves is a significant part of our business and we have a department to handle valve refurbishment. A completely refurbished valve will have replacement seals, bearings and drive components. It will be cleaned and painted and when finished will look like a brand new valve. While the department was set up to handle Rota Val products, we can handle other manufacturer's products too. Because of the way that Rota Val valves are engineered, refurbishment is usually a viable option.</p>

Authorised Distributor:



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