

HDM Heavy Duty Modular Rotary Valves and BSM Blowing Seals



Made in Britain



www.rotaval.co.uk

RotaVal

Keeping the World's Industries Solidly in Control



ATEX 2014/34/EU Certified
(Baseefa) Explosion/Flame
Containment for **Class ST₂** Dusts

HDM Heavy Duty Modular Rotary Valves and BSM Blowing Seals

Recently developed HDM Rotary and BSM Blowing Seal Valves have been designed using finite element analysis to make the housing even more robust. Where the valve feeds directly into a conveying line, the BSM range has been designed to optimise product conveying using computational fluid dynamics techniques. Replicast® castings used to improve the external finish of the valves and Standard, Cleanable and Fast Clean versions use just one body configuration.

With frequent spares requests for valves over 30 years old, our Rotary Valves and Blowing Seals have already gained a superb reputation for reliable long service life.



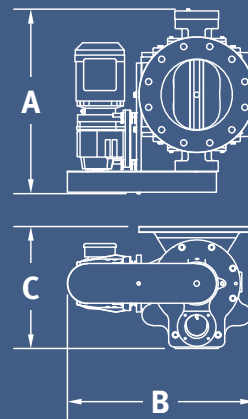
Typical Applications

- Metering device, airlock, explosion containment, flame barrier and system isolation.
- Suitable for gravity, positive pressure and vacuum conveying systems.
- Powders, granules, pellets, grain, feed and chips.
- Can be adapted for virtually all types of product characteristics.

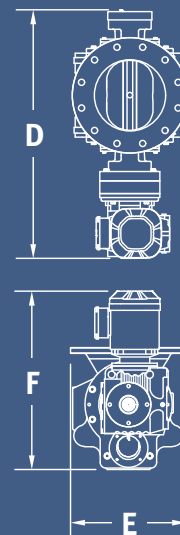
The Advantages

- Over 15,000 different configurations that can be adapted to suit virtually all applications.
- Bespoke versions and sizes.
- 18 Month warranty.
- Valve housings are individually pressure tested for 10 bar(g) explosion and flame containment requirements.
- Backed up by 90 years collective applications experience.

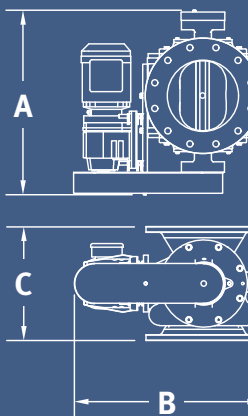
BSM Chain Drive



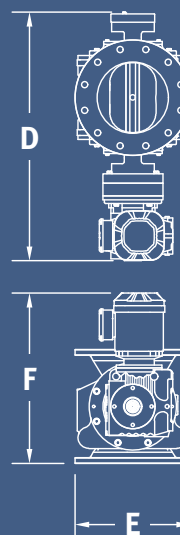
BSM Direct Drive



HDM Chain Drive



HDM Direct Drive



Specifications

Size	150-400 mm
Throughput	Up to 50 m ³ /hr
Flanges	Round and Special flange configurations available
Construction	Cast iron, aluminium or stainless steel, special material grades available
Drive	SEW Chain or Direct Drive as standard
Finishes	Polished, wear-resist hard chrome or tungsten carbide, non stick PTFE
ATEX	Dust and gas zones - 10 bar (g) fully autonomous versions

BSM - Dimensions/mm (Approximate)

VALVE	A	B	C	D	E	F
BSM 150	514	517	315	674	280	482
BSM 200	564	586	356	724	343	526
BSM 250	647	657	429	873	406	625
BSM 300	727	837	476	923	483	694
BSM 350	803	912	557	1044	534	760
BSM 400	853	944	616	1094	597	789

VALVE SIZE	150	200	250	300	350	400
PIPE SIZE Outer Diameter	63.5	76.2	88.9	101.6	127	152.4
PIPE SIZE Inner Diameter	57	69.7	82.4	95.1	120.5	145.9



Blowing Seal Modular with Chain Drive option (BSM)

HDM - Dimensions/mm (Approximate)

VALVE	A	B	C	D	E	F
HDM 150	514	517	280	674	280	477
HDM 200	564	586	325	724	343	486
HDM 250	647	657	400	873	406	596
HDM 300	727	837	460	923	483	678
HDM 350	803	912	530	1024	534	733
HDM 400	853	944	590	1094	597	763

VALVE SIZE	150	200	250	300	350	400
CAPACITY m ³ /hr/rpm	0.14	0.35	0.68	1.21	1.88	2.85



Heavy Duty Modular Rotary Valve with Direct Drive option (HDM)

Rota Val's HDM and BSM Range of Applications and ATEX Certification

All Rota Val products are designed to increase productivity and enhance reliability on site. We design and manufacture an extensive range of rotary valves to suit all bulk solids handling industries. Our range of HDM Rotary and BSM Blowing Seal Valves are supplied in a wide selection of materials to suit most applications with sizes covering 150mm to 400mm. All Rota Val products are ATEX Certificated under EC Declaration of Conformity.

Range of Applications

- Food
- General Industry
- Mineral
- Plastics
- Power and Biomass
- Process and Petrol-chemical
- Recycling

ATEX Certification

Autonomous Protective System

Internal Category: 1D or 1D2G

External Category: 2D, 3D, 2G, 3G, 2GD, 3GD, Non Hazardous

Notified Body Certificate No: Baseef13ATEX0004X

Certification supplied with EACH valve: Notified Body certificate and Rota Val EC Declaration of Conformity

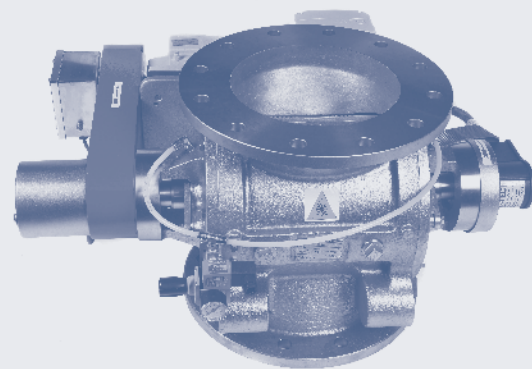
Equipment

Internal Category: 1D or 1D2G

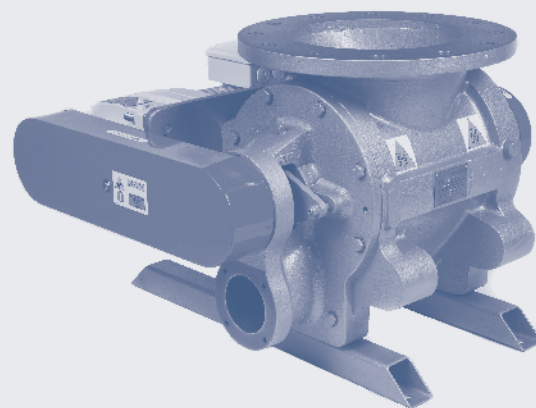
External Category: 2D, 3D, 2G, 3G, 2GD, 3GD, Non Hazardous

Notified Body Certificate No: Baseef11ATEX0215X

Certification supplied with EACH valve: Notified Body certificate and Rota Val EC Declaration of Conformity



Heavy Duty Modular Rotary Valve with Direct Drive option (HDM)



Blowing Seal Modular with Chain Drive option (BSM)



Rota Val Ltd., Bumpers Way,
Bumpers Farm Industrial Estate,
Chippenham, Wiltshire SN14 6LH

T: +44 1249 651138
F: +44 1249 462054
E: sales@rotaval.co.uk

Made in Britain



www.rotaval.co.uk

RotaVal

Keeping the World's Industries Solidly in Control