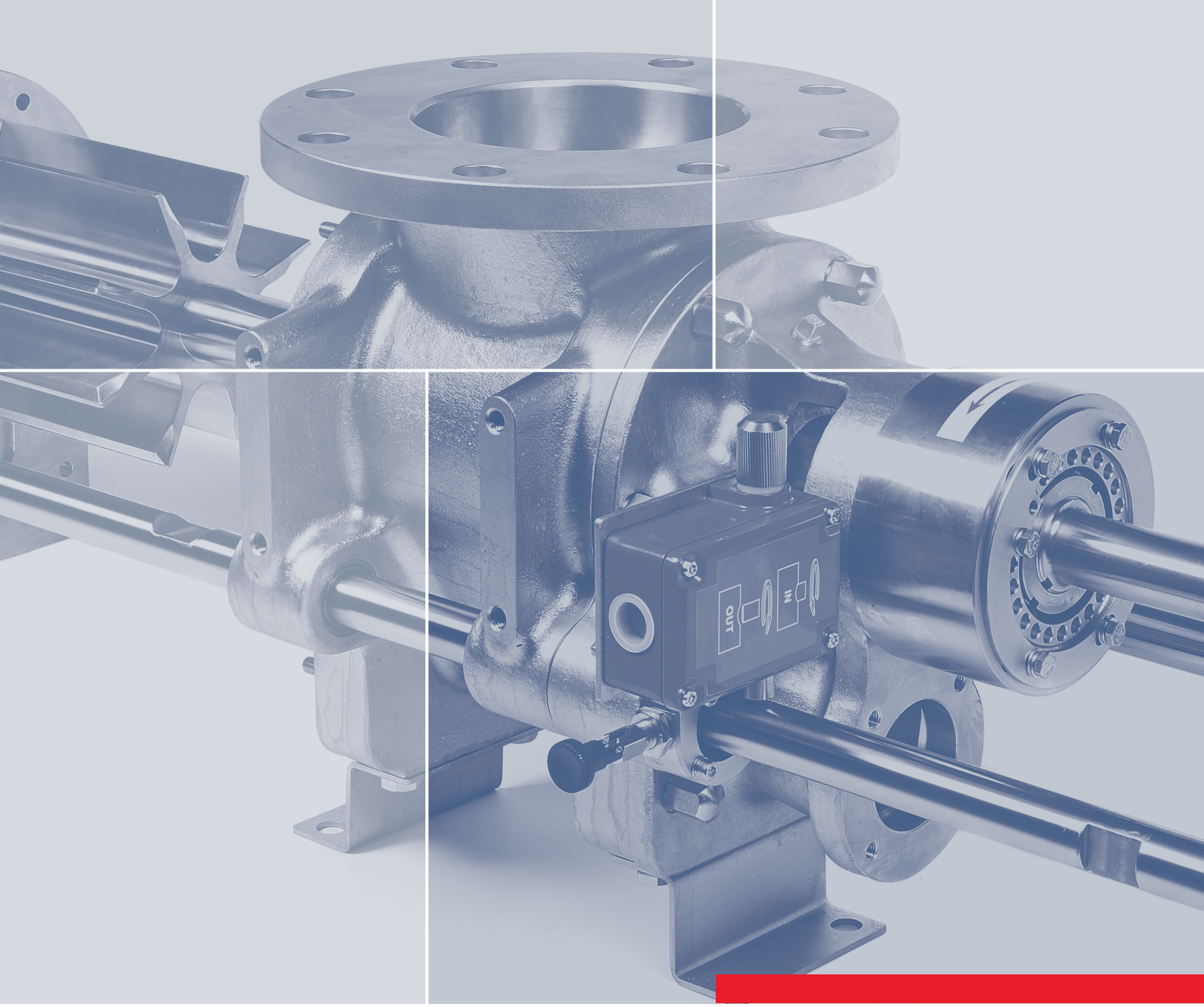
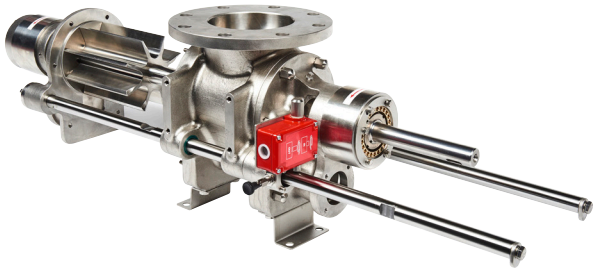


HDMF Heavy Duty Modular Fast Clean Rotary Valves and BSMF Blowing Seals



ATEX 2014/34/EU Certified
(Baseefa) Explosion/Flame
Containment for **Class ST_2 Dusts**

Made in Britain

www.rotaval.co.uk

Gericke
RotaVaL

HDMF Heavy Duty Modular Fast Clean Rotary Valves and BSMF Blowing Seals

HDMF Rotary and BSMF Blowing seal fast clean valves are based on the HDM/BSM valves and provide users with increased productivity through a design that realises minimal down time for frequent cleaning of the valve internals.

The non-drive end cover incorporates the new Rota-lign™ bearing assembly. This is a unique patented self-centralising design that minimises production downtime by permitting maintenance work whilst the valve remains in situ. Should full access be required there is also an option for drive end cover removal (-II).

A robust construction makes this fast clean range suitable for use in nearly all types of industry and with no special tools needed to gain access to the valve internals, it's very operator and process friendly.

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.

Advantages

- Once extracted from the valve housing the rotor can be rotated for cleaning whilst still attached to the end cover.
- Bearings can be replaced whilst the valve remains in situ.
- Tapered bore & guide rails provides scratch free rotor extraction and insertion.
- Horizontal rail design with a support tray to rest the rotor on in hard to access places if rotor removal required.
- With options, both end covers can be removed for full access to the valve internals.
- Lifetime cost 1/3 of competitors cost.
- 18 Month warranty.
- Valve housings are individually pressure tested for 10 Bar (g) explosion and flame containment requirements when required.
- Backed by 45 years collective applications experience.

Certification

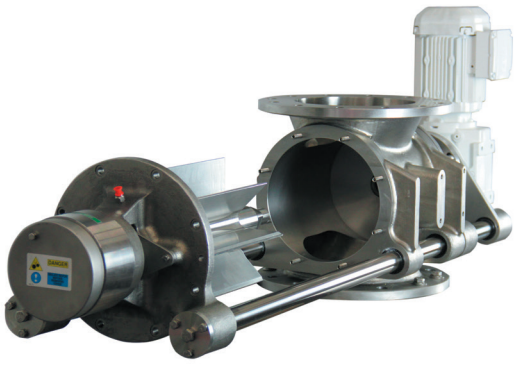
EHEDG Certification

(EHEDG) certification ensures that Rota Val can support food manufacturers by offering rotary valves with assurance that they comply with the strictest hygienic requirements to enable safe food production.

EC 1935/2004

USDA Dairy Accepted

Assembled



Rotor extended for cleaning

Reduced capacity

Chain Drive Version

Specifications

SIZE	150-400 mm
Throughput	Up to 50 m^3/hr
Flanges	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	Full range of dust and gas zones - 10 Bar (g) fully autonomous versions

BSMF - Dimensions/mm (Approximate)

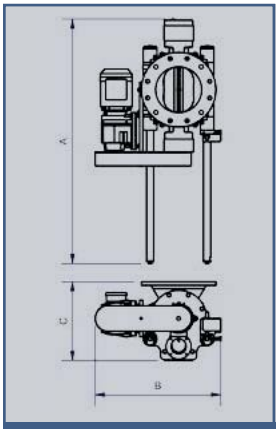
VALVE	A	B	C	D BSMF-I	D BSMF-II	E	F
BSMF 150	1030	551	315	1030	1230	280	482
BSMF 200	1120	611	365	1120	1320	343	526
BSMF 250	1330	683	429	1330	1530	406	625
BSMF 300	1430	849	476	1430	1630	483	694
BSMF 350	1585	929	557	1585	1785	534	760
BSMF 400	1685	954	616	1685	1885	597	789

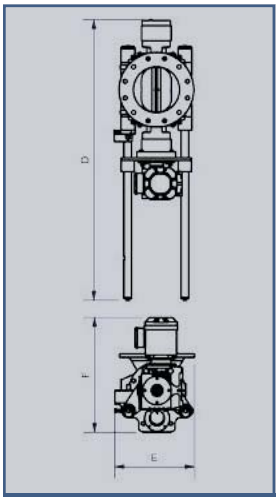
VALVE SIZE	150	200	250	300	350	400
PIPE SIZE Outer Diameter	63.5	76.2	88.9	101.6	127	152.4
PIPE SIZE Inner Diameter	57	69.7	82.4	95.1	120.5	145.9

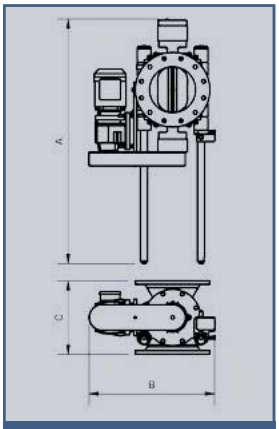
HDMF - Dimensions/mm (Approximate)

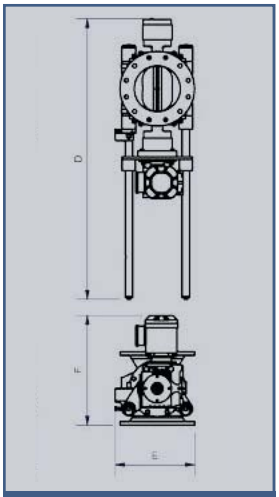
VALVE	A	B	C	D HDMF-I	D HDMF-II	E	F
HDMF 150	1030	551	280	1030	1230	314	477
HDFM 200	1120	611	325	1120	1320	368	486
HDMF 250	1330	683	400	1330	1530	432	596
HDMF 300	1430	849	460	1430	1630	496	678
HDMF 350	1585	929	530	1585	1785	551	733
HDMF 400	1685	954	590	1685	1885	608	763

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

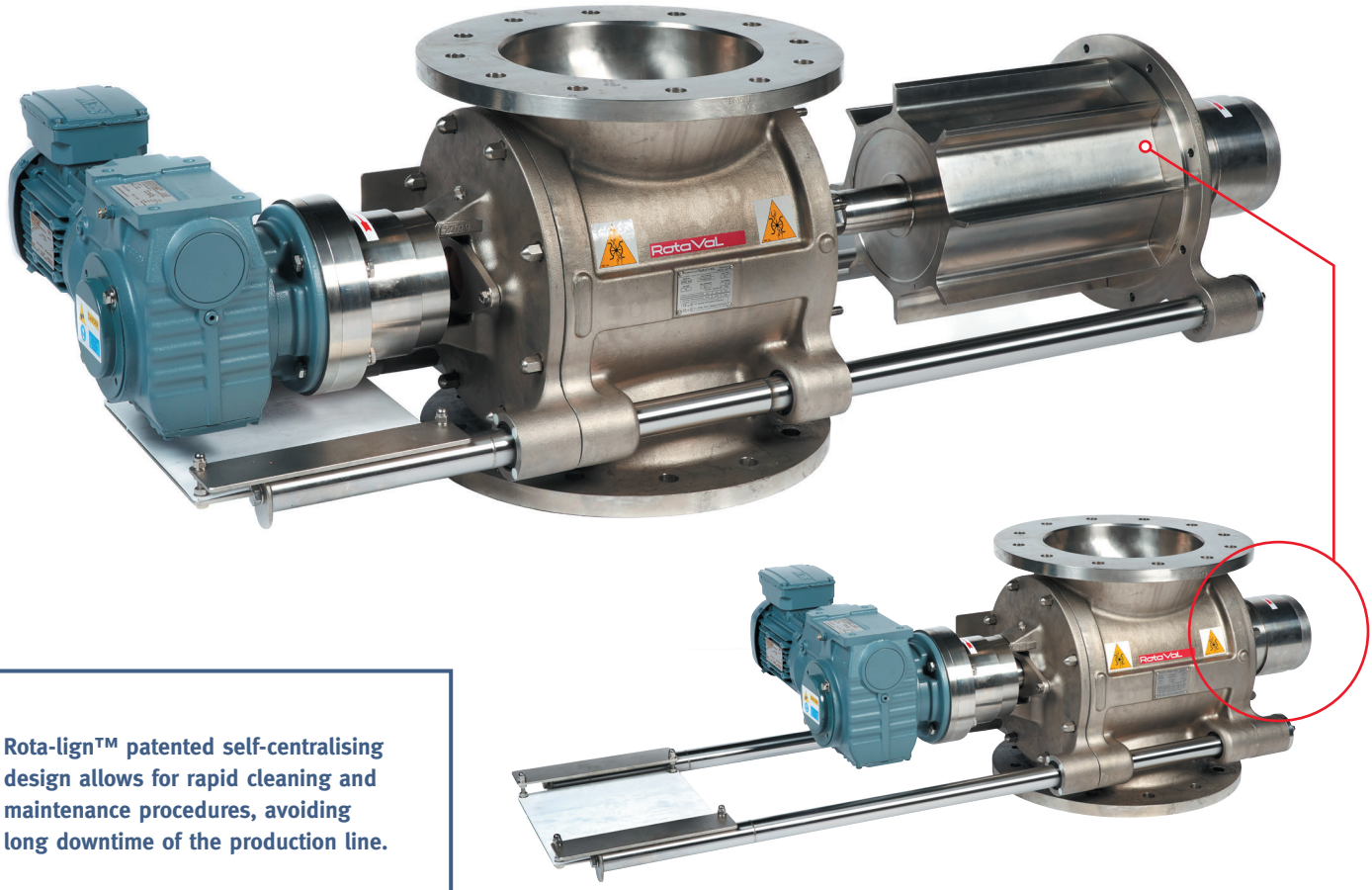

BSMF Chain Drive


BSMF Direct Drive


HDMF Chain Drive


HDMF Direct Drive

Rota Val's HDMF and BSMF Range of Applications and ATEX Certification



Rota-lign™ patented self-centralising design allows for rapid cleaning and maintenance procedures, avoiding long downtime of the production line.

HDMF Rotary Valve showing the new Rota-lign™ bearing assembly (Non-drive end cover)

Range of Applications

- Dairy
- Food
- Pharmaceutical
- Plastics
- Recycling

ATEX Certification

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 EU Declaration of Conformity

USDA
Dairy Accepted

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

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Gericke
RotaVal