

Engineered to last

BV STANDARD DESIGN TO 500mm

MID's butterfly valves can be used across a variety of applications including providing a tight shut off for powders and granules in a silo or hopper, to throttling pneumatic conveying air and being used in fume extraction systems.

BD DAMPERS TO 2.2M

MID's BD Damper valves are very similar in design to the BV, but are fabricated in larger or intermediate sizes and to order- up to 2.2 metres in diameter.



UNIQUELY POSITIONED VANE SEAL

Unlike other butterfly/damper valves that typically have a liner in the body that the vane closes against, MID's unique BV design moves the seal from the body to the vane itself, meaning that seal changes can be made without removing the valve, saving time and reducing process stoppages. There is less resistance to powder flow and the vane can be made thinner.



GRANULES?

We can also remove the vane seal completely leaving a close machined seat which is sufficient to halt the flow of products with granules that exceed this dimension.

ATEX CERTIFICATION

The BV range can be offered with Zone 21 and 22 internal and external ATEX certification.

	Internal	External
Zone 0/20	✗	✗
Zone 1/21	✓	✓
Zone 2/22	✓	✓
APD	✗	✗

RECTANGULAR BUTTERFLY?

In some applications, a rectangular butterfly valve can replace a problematic slide valve, particularly when the slide has a very short stroke. Replacing with a rectangular butterfly can eliminate the "crabbing" effect that can occur when trying to withdraw a wide slide plate over a short distance. It very often works out to be cheaper too.

HIGHLY CONFIGURABLE

Standard specification includes;

- cast iron, carbon steel, stainless or aluminium body and vane
- vane and shaft seals including Nitrile, Viton, EPDM and PTFE
- available with manual or infinite lock handles, pneumatic or electric actuation

Options include;

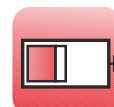
- 400 wear plate body/vane
- rectangular design
- high temperature (800°C) gland packing
- exotic materials (Hastelloy, Kalrez)



Butterfly



Rotary



Slide



Knifegate



Diverter



Diaphragm



Ceramic



Specials



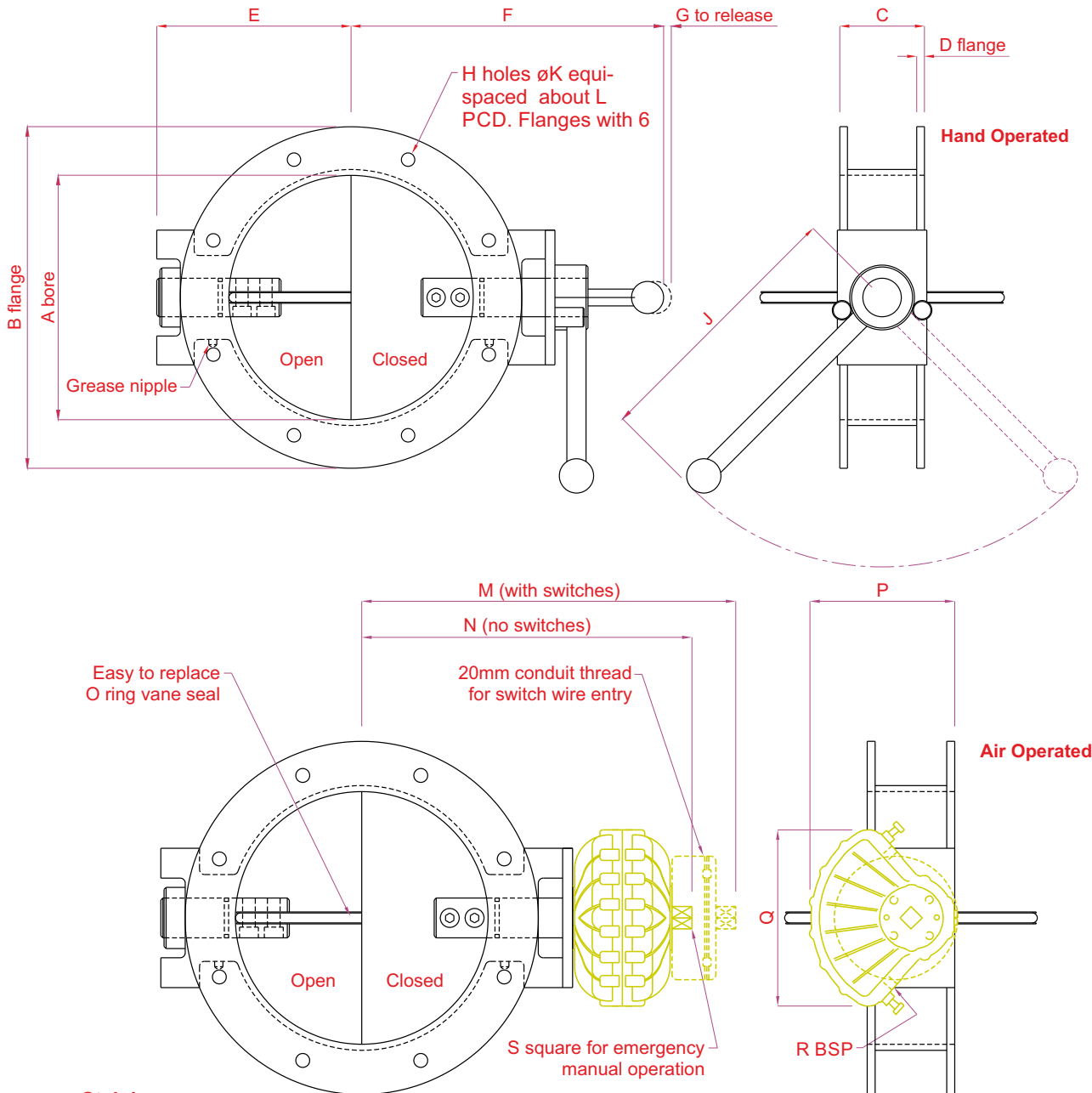
Sifter



Seals

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Stainless

Size	A	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
3"	76	75	140	64	8	105	166	6	4	172	11	114	250	202	96	114	1/8"	9
4"	102	100	165	64	8	100	162	6	6	172	11	140	250	205	120	125	1/8"	9.5
6"	152	150	230	64	8	130	190	6	6	185	11	196	280	235	120	125	1/8"	9.5
7"	178	175	255	75	8	128	263	8	6	280	12	220	301	250	79	136	1/8"	16
200	200	195	305	85	8	178	275	8	8	280	14	260	360	315	150	180	1/4"	16
9"	228	225	330	85	8	190	300	8	8	280	14	286	375	330	150	180	1/4"	16
10"	254	250	355	88	8	202	325	8	8	280	14	310	385	340	150	180	1/4"	16
12"	305	300	405	95	8	230	330	8	8	355	14	362	410	365	150	180	1/4"	16
16"	406	400	533	102	11	300	420	11	8	465	14	476	565	515	225	295	3/8"	25
20"	508	500	660	125	13	360	476	11	8	465	14	596	630	575	235	295	3/8"	25

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