



BURKERT Globe valve free-flow Type 31055 series 2000 bronze entry below the valve pneumatic internal thread

Characteristics

Function: Two-way valve
Construction type: Free-flow
Housing material: Bronze
Material quality: CC491K
Process connection: Internal thread (BSPP)
Standard connection: DIN ISO 228-1
Face to Face norm: Manufacturer standard
Type of disc: Fixed disc
Actuation: Pressure below the valve
Type of actuator: Pneumatic piston
Function actuator: Spring closing
Position indicator: Yes
Stem seal type: Roof cuffs
Primary spindle seal material: PTFE/FPM
Material disk sealing: PTFE
Material disc: Brass
Spindle material: Stainless steel
Material bonnet: Brass
Bonnet gasket material: Graphite
Level of protection (IP value): IP67
Approvals: ATEX IECEx

Max. viscosity: 600 mm²/s

Medium temperature: -10 / 180 °C

Application

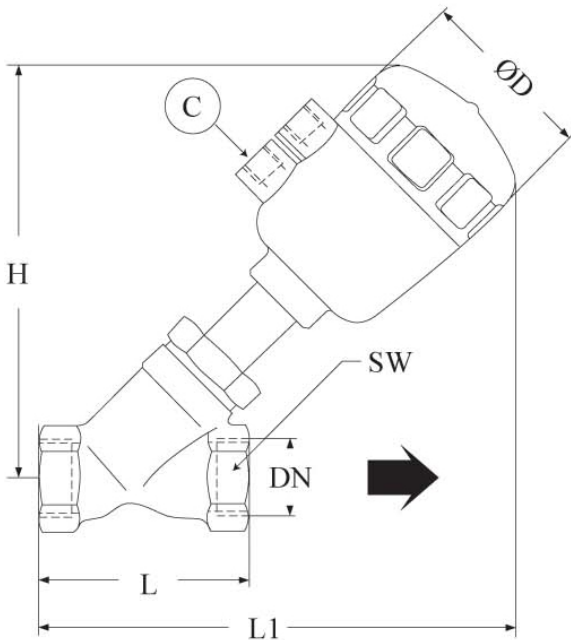
- Neutral liquids.
- Water.
- Oil.

Technical Information

- Water hammer damping.
- High flow capacity.
- Spring closure.
- Sealing in 2 directions.
- Process pressure below the valve.
- Low control air consumption.
- Easy fitting.
- Maintenance free.
- Long service life ± 3 million switching operations.

Size table:

G	Actuator	c	ØD	H	L	L1	SW	Weight
		mm	mm	mm	mm	mm	mm	kg
1/2" [15]	D50	1/4"	64	145	65	177	27	0.8
3/4" [20]	D50	1/4"	64	150	75	187	32	1
3/4" [20]	E63	1/4"	80	174	75	211	32	1.4
1" [25]	E63	1/4"	80	178	90	223	41	1.8
1.1/4" [32]	F80	1/4"	101	209	110	264	50	2.1
2" [50]	G100	1/4"	127	277	150	352	70	7
2" [50]	H125	1/4"	157	306	150	381	70	7



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Size process connection	Pressure rating	Kv value m ³ /h	Closing pressure bar	Type coding actuator	Pilot pressure	Actuator material	Ex-class	ATEX Zone	Ambient temperature °C	Article
1/2" [15]	PN25	4.2	16	D50	4.1 - 10 bar	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 40	12670617
3/4" [20]	PN25	8.5	11	D50	4.1 - 10 bar	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 40	12314380
3/4" [20]	PN25	9	16	E63	4.5 - 10 bar	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 55	12704061
1" [25]	PN25	18	11	E63	4.5 - 10 bar	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 55	12250927
1.1/4" [32]	PN25	27	14	F80	5 - 10 bar	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 60	12962684
2" [50]	PN25	55	7.2	G100	4.4 - 10 bar	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 60	11814983
2" [50]	PN25	55	16	H125	3.2 - 7 bar	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 60	11814987

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