



BURKERT Globe valve free-flow Type 31075 series 2000 bronze entry above the valve pneumatic internal thread

Characteristics

Series: 2000
Type: 31075
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 above the valve
Type of actuator: Pneumatic piston
Function actuator: Spring closing
Pilot pressure: [Variable] - 10 bar
Position indicator: Yes
Stem seal type: Roof cuffs
Primary spindle seal material: PTFE
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

Application

- Neutral gases.
- Steam.

Technical Information

- High flow capacity.
- Spring closure.
- Sealing in 2 directions.
- Process pressure above the valve.



Size table:

G	Actuator	c	ØD	H	L	L1	SW	Weight
			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
1" [25]	D50	1/4"	64	152	90	197	32	1.2
1" [25]	E63	1/4"	80	178	90	223	41	1.8
1.1/4" [32]	E63	1/4"	80	188	110	243	50	2.3
1.1/2" [40]	E63	1/4"	80	178	120	232	55	3.5
2" [50]	E63	1/4"	80	209	150	284	70	6
2" [50]	F80	1/4"	101	230	150	305	70	6
2.1/2" [65]	F80	1/4"	101	242	185	271	85	6

Size process connection	Pressure rating	Kv value m ³ /h	Closing pressure bar	Type coding actuator	Actuator material	Ex-class	ATEX Zone	Medium temperature °C	Ambient temperature °C	Article
1/2" [15]	PN25	4.2	16	D50	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIC T135 °C Db	Zone 1 / 21	-10 / 180	-10 / 40	12644646

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Size process connection	Pressure rating	Kv value m³/h	Closing pressure bar	Type coding actuator	Actuator material	Ex-class	ATEX Zone	Medium temperature °C	Ambient temperature °C	Article
1/2" BSPP[G]	PN25	4.2	16	D50	PPS	No	Not applicable	-10 / 185	5 / 140	14482797
3/4" [20]	PN25	8.5	16	D50	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 180	-10 / 40	13416497
1" [25]	PN25	10	16	D50	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 180	-10 / 40	13416496
1" [25]	PN25	18	16	E63	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 180	-10 / 55	12693696
1.1/4" [32]	PN25	25	16	E63	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 180	-10 / 55	12495520
1.1/4" [32]	PN25	25	16	E63	PPS	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 180	5 / 130	13416498
1.1/2" [40]	PN25	35	16	E63	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 180	-10 / 55	12620983
2" [50]	PN25	49	16	E63	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 180	-10 / 55	11815005
2" [50]	PN25	52	16	F80	PPS	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 180	-10 / 60	13416499
2.1/2" [65]	PN25	77	14	F80	PA	II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135 °C Db	Zone 1 / 21	-10 / 180	-10 / 60	11815007

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.