



ECON® SOS Globe valve Type: 100-1270 Bronze Flange PN16

Bronze quick-closing globe valve, with bronze sealing and flange connection, pressure class PN16

Characteristics

Type: 100-1270 Norm: EN (DIN)

Construction type: Straight Housing material: Bronze **Connection:** Flange Flange finish: Flat face Spring opening (NO): No Spring closing (NC): Yes Stem seal type: O-ring Material disc: CC491K (RG5) Spindle material: CuAl10Ni

Primary spindle seal material: FPM

Material bonnet: 1.0254

Bonnet gasket material: Graphite

Actuator material: Steel

Minimum medium temperature (continuous): -10 °C Maximum medium temperature (continuous): 150 °C

Technical Information

- Operation by means of mechanical, hydraulic or pneumatic signal.
- After the valve has been activated and closed, it must be manually opened again.
- Testing: EN12266-1.

Options

- Available including inspection and certification by all leading Classification societies.
- Available in angle pattern version; type 100-1271.
- Available in ductile iron; type100-247.
- Available with hydraulic pulse generator; type 106,
- Available complete with pneumatic control box.

Application

- Emergency shut down globe valve, for quickly shutting off a pipeline from a safe place.
- On board ships (maritime).
- Fuel systems.
- Neutral liquids, oil.
- For thermal oil we recommend a SOS valve with bellows seal.

DN	А	М	L	H	Weight
	[mm]	[mm]	[mm]	[mm]	[kg]
15	95	125	120	186	4.5
20	105	125	120	186	5
25	115	125	140	199	6
32	140	125	150	199	8.7
40	150	150	155	238	10
50	165	150	180	245	13.2
65	185	150	200	290	23
80	200	150	240	299	31.9

Size	Maximum working pressure at 150 °C			
DN15 up to DN65	4 bar			
DN80 and larger	2 bar			

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Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length	Operation	Type of disc	Type of bonnet	Sealing	Max. operating pressure	Article
				mm					bar	
G-CuSn5ZnPb (Rg5)	DN15	PN16	Manufacturer standard	120	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Bronze	4	13409654
G-CuSn5ZnPb (Rg5)	DN25	PN16	Manufacturer standard	140	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Bronze	4	12160066
G-CuSn5ZnPb (Rg5)	DN32	PN16	Manufacturer standard	150	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Bronze	4	12160067
G-CuSn5ZnPb (Rg5)	DN40	PN16	Manufacturer standard	155	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Bronze	4	12160068
G-CuSn5ZnPb (Rg5)	DN50	PN16	Manufacturer standard	180	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Bronze	4	12160069
G-CuSn5ZnPb (Rg5)	DN65	PN16	Manufacturer standard	200	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Bronze	4	12160114
G-CuSn5ZnPb (Rg5)	DN80	PN16	Manufacturer standard	240	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Bronze	2	12160111

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