



ECON® SOS Globe valve Type: 100-247 Ductile cast iron Flange PN10/16

Ductile iron quick-closing globe valve, with stainless steel sealing and flange connection, pressure class PN16

Characteristics

Type: 100-247
Norm: EN (DIN)
Construction type: Straight
Housing material: Ductile cast iron
Surface protection: Standard manufacturers coating
Connection: Flange
Flange finish: Raised face
Spring opening (NO): No
Spring closing (NC): Yes
Stem seal type: O-ring
Sealing: Stainless steel
Material disc: 1.4021+QT
Spindle material: 1.4021
Primary spindle seal material: FPM
Material bonnet: EN-JS1025
Bonnet gasket material: Stainless steel/graphite
Actuator material: Cast iron
Minimum medium temperature (continuous): -10 °C
Maximum medium temperature (continuous): 150 °C

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.

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 100-248.
- Available in bronze; type 100-1270.
- Available with hydraulic pulse generator; type 106, 107 or 108.
- Available complete with pneumatic control box.

DN	A	M	L	H	N	N	Weight
	[mm]	[mm]	[mm]	[mm]	Mechanic transmission [mm]	Hydraulic or pneumatic transmission [mm]	[kg]
15	95	100	130	188	142	165	5
20	105	100	150	188	142	165	6
25	115	100	160	200	142	165	6.5
32	140	100	180	200	142	165	9.5
40	150	160	200	232	147	170	12.5
50	165	160	230	234	147	170	17
65	185	160	290	277	157	180	28
80	200	160	310	293	157	180	31
100	220	200	350	350	162	185	45
125	250	200	400	383	162	185	66
150	285	250	480	475		190	74.5

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DN	A	M	L	H	N	N		Weight
					Mechanic transmission	Hydraulic or pneumatic transmission	Connection H/ P tubing	
200	340	250	600	552		190	G 1/8"	105

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

Material quality	Nominal inner diameter	Pressure rating	Pressure rating flange	Face to Face norm	Face to Face length mm	Operation	Type of disc	Type of bonnet	Max. operating pressure bar	Article
EN-JS1025	DN15	PN16		EN 558, Series 1	130	Pneumatic/hydraulic	Fixed disc	Bolted bonnet	4	11810537
EN-JS1025	DN15	PN16		EN 558, Series 1	130	Pull mechanism	Fixed disc	Bolted bonnet	4	11810547
EN-JS1025	DN20	PN16		EN 558, Series 1	150	Pneumatic/hydraulic	Fixed disc	Bolted bonnet	4	11810538
EN-JS1025	DN20	PN16		EN 558, Series 1	150	Pull mechanism	Fixed disc	Bolted bonnet	4	11810548
EN-JS1025	DN25	PN16		EN 558, Series 1	160	Pneumatic/hydraulic	Fixed disc	Bolted bonnet	4	11810539
EN-JS1025	DN25	PN16		EN 558, Series 1	160	Pull mechanism	Fixed disc	Bolted bonnet	4	11810549
EN-JS1025	DN32	PN16		EN 558, Series 1	180	Pneumatic/hydraulic	Fixed disc	Bolted bonnet	4	11810540
EN-JS1025	DN32	PN16		EN 558, Series 1	180	Pull mechanism	Fixed disc	Bolted bonnet	4	11810550
EN-JS1025	DN40	PN16		EN 558, Series 1	200	Pneumatic/hydraulic	Fixed disc	Bolted bonnet	4	11810541
EN-JS1025	DN40	PN16		EN 558, Series 1	200	Pull mechanism	Fixed disc	Bolted bonnet	4	11810551
EN-JS1025	DN50	PN16		EN 558, Series 1	230	Pneumatic/hydraulic	Fixed disc	Bolted bonnet	4	11810542
EN-JS1025	DN50	PN16		EN 558, Series 1	230	Pull mechanism	Fixed disc	Bolted bonnet	4	11810552
EN-JS1025	DN65	PN16		EN 558, Series 1	290	Pneumatic/hydraulic	Fixed disc	Bolted bonnet	4	11810543
EN-JS1025	DN65	PN16		EN 558, Series 1	290	Pull mechanism	Fixed disc	Bolted bonnet	4	11810553
EN-JS1025	DN80	PN16		EN 558, Series 1	310	Pneumatic/hydraulic	Fixed disc	Bolted bonnet	2	11810544
EN-JS1025	DN80	PN16		EN 558, Series 1	310	Pull mechanism	Fixed disc	Bolted bonnet	2	11810554
EN-JS1025	DN100	PN16		EN 558, Series 1	350	Pneumatic/hydraulic	Fixed disc	Bolted bonnet	2	11810545
EN-JS1025	DN100	PN16		EN 558, Series 1	350	Pull mechanism	Fixed disc	Bolted bonnet	2	11810555
EN-JS1025	DN125	PN16		EN 558, Series 1	400	Pneumatic/hydraulic	Fixed disc	Bolted bonnet	2	11810546
EN-JS1025	DN125	PN16		EN 558, Series 1	400	Pull mechanism	Fixed disc	Bolted bonnet	2	12711596
EN-JS1025	DN150	PN16		EN 558, Series 1	480	Hydraulic	Fixed disc	Bolted bonnet	2	12711605
EN-JS1025	DN150	PN16		EN 558, Series 1	480	Pull mechanism	Fixed disc	Bolted bonnet	2	12711607
EN-JS1025	DN200	PN16	PN10	EN 558, Series 1	600	Hydraulic	Fixed disc	Bolted bonnet	2	12711606

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