



# 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 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; type100-1270.
- Available with hydraulic pulse generator; type 106, 107 or 108.
- Available complete with pneumatic control box.

DN	A	М	L	н	N	N		Weight
					Mechanic transmission	Hydraulic or pneumatic transmission	Connection H/ P tubing	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[kg]
15	95	100	130	188	142	165	G 1/8"	5
20	105	100	150	188	142	165	G 1/8"	6
25	115	100	160	200	142	165	G 1/8"	6.5
32	140	100	180	200	142	165	G 1/8"	9.5
40	150	160	200	232	147	170	G 1/8"	12.5
50	165	160	230	234	147	170	G 1/8"	17
65	185	160	290	277	157	180	G 1/8"	28
80	200	160	310	293	157	180	G 1/8"	31
100	220	200	350	350	162	185	G 1/8"	45

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DN	Α	М	L	н	N	N		Weight
					Mechanic transmission	Hydraulic or pneumatic transmission	Connection H/ P tubing	
125	250	200	400	383	162	185	G 1/8"	66
150	285	250	480	475		190	G 1/8"	74.5
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	Face to Face norm	Face to Face length	Operation	Type of disc	Type of bonnet	Sealing	Max. operating pressure	Article
				mm					bar	
EN-JS1025	DN15	PN16	EN 558, Series 1	130	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Stainless steel	4	EC001000015- HAJ2
EN-JS1025	DN25	PN16	EN 558, Series 1	160	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Stainless steel	4	EC001000025- HAJ2
EN-JS1025	DN32	PN16	EN 558, Series 1	180	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Stainless steel	4	EC001000032- HAJ2
EN-JS1025	DN40	PN16	EN 558, Series 1	200	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Stainless steel	4	EC001000040- HAJ2
EN-JS1025	DN40	PN16	EN 558, Series 1	200	Pull mechanism	Fixed disc	Bolted bonnet	Stainless steel	4	EC001000040- HA12
EN-JS1025	DN50	PN16	EN 558, Series 1	230	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Stainless steel	4	EC001000050- HAJ2
EN-JS1025	DN65	PN16	EN 558, Series 1	290	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Stainless steel	4	EC001000065- HAJ2
EN-JS1025	DN80	PN16	EN 558, Series 1	310	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Stainless steel	2	EC001000080- HAJ2
EN-JS1025	DN80	PN16	EN 558, Series 1	310	Pull mechanism	Fixed disc	Bolted bonnet	Stainless steel	2	EC001000080- HA12
EN-JS1025	DN100	PN16	EN 558, Series 1	350	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Stainless steel	2	EC001000100- HAJ2
EN-JS1025	DN125	PN16	EN 558, Series 1	400	Pneumatic/ hydraulic	Fixed disc	Bolted bonnet	Stainless steel	2	EC001000125- HAJ2

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