

SAFETY VALVE CAST IRON FLANGED FULL-LIFT TOSACA MODEL 1400

Материал cast iron, steel, stainless steel
 Налягане PN 16-100
 Размер DN 15 - 400

TECHNICAL CHARACTERISTICS



SAFETY RELIEF VALVE TOSACA MODEL 1400

- Calculation - EN-4126-1 / 7
- Design EN-12516-1, EN-4126-1 / 7
- Material standards - EN / ASTM
- Tests - EN-4126-1 / 7, MSS-SP-55
- Tolerance EN-4126-1 and ASME UG-126

WORKING PRINCIPALS

Automatic safety valve opens proportional to pressure rise. The constant tension between the force of pressure and the closing spring response provides a minimum flow, which means minimal loss of fluid when the valve is actuated.

MEDIA

Steam, gases, vapours, fluids

OPTIONS

- Available body materials: ductile iron, carbon steel, stainless steel, LCC, duplex and super duplex steels
- Available seat materials: metal / metal, PTFE, Viton and Stellite

On request

[PDF - Producer technical specification](#)

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№	Descr.	15 x 25 to 25 x 40 pn 16/25 steel	32 x 50 to 400 x 500 pn 16/25 nodular iron	15 x 25 to 400 x 500 pn 40/63/100 steel	15 x 25 to 400 x 500 pn 16 to 100 st. steel	Specification	
						Connection	Flanged EN 1092 pn-16 / 25 / 40 / 63 / 100
1	Nozzle	AISI-316L	A351 CF-8	A351 CF-8	A351 CF-8	Working temperature	-196°C to +425°C
2	Body	C.S. 1.0619	EN-JS1030	C.S. 1.0619	1.4409	Minimum set pressure	0,2 barg, (with below seal - 2 barg)
3	Bonnet	C.S. 1.0619	EN-JS1030	C.S. 1.0619	1.4409	Overpressure	10% for steam, gases and vapours / 21% fire usage, 25% fluids
4	Cap	A351 CF-8	A351 CF-8	A351 CF-8	A351 CF-8	Blowdown	10%
5	Disc	AISI-316L	AISI-316L	AISI-316L	AISI-316L	Pressure set tolerances	± 3%
6	Guide	AISI-304	AISI-304	AISI-304	AISI-304		
7	Push Rod	AISI-316L	AISI-316L	AISI-316L	AISI-316L		
8	Spring Button	Carbon steel	Carbon steel	Carbon steel	AISI-303		
9	Ajusting Screw	AISI-303	AISI-303	AISI-303	AISI-303		
10	Lock Nut	AISI-303	AISI-303	AISI-303	AISI-303		
11	Spring	1.8159 C. steel	1.8159 C. steel	1.8159 C. steel	AISI-302		
12	Lever	A 351 CF 8	A 351 CF 8	A 351 CF 8	A351 CF-8		
17	Release nut	AISI-304	AISI-304	AISI-304	AISI-304		
18	Lever axis	AISI-303	AISI-303	AISI-303	AISI-303		
19	Packing lever axis	AISI-303	AISI-303	AISI-303	AISI-303		
20	Gasket cap	PTFE	PTFE	PTFE	PTFE		
21	Gasket bonnet	GRAPHITE +S.S	GRAPHITE +S.S	GRAPHITE+SS	GRAPHITE+SS		
22	Gasket pack. lever	Viton	Viton	Viton	Viton		
27	Bellow	AISI-316 Ti	AISI-316 Ti	AISI-316 Ti	AISI-316 Ti		
28	Soft seat	Viton / PTFE	Viton / PTFE	Viton / PTFE	Viton / PTFE		

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Dimensions			Pn 63						Pn 100					
			Orifice (mm)	Area (mm ²)	A	B	CW	kg	Orifice (mm)	Area (mm ²)	A	B	CW	kg
15	x	25	9,5 /13	71/133	95	95	275	11	9,5 /13	71/133	95	95	275	11
20	x	25	9,5 /13	71/133	95	95	275	11	9,5 /13	71/133	95	95	275	11
25	x	50	20	314	140	105	315	25	16	201	140	105	315	25
32	x	50	23,8	445	140	105	315	30	20	314	140	105	315	30
40	x	65	26	531	165	124	430	30	23,8	445	165	124	430	30
50	x	80	32	804	162	154	400	35	32	804	162	154	400	35
65	x	100	48	1.809	140	170	460	66	39	1.194	140	170	460	66