

TOSACA THREADED SAFETY VALVES MODEL 1400

Material cast iron, steel, stainless steel

Pressure PN 16-100

TECHNICAL DESCRIPTION

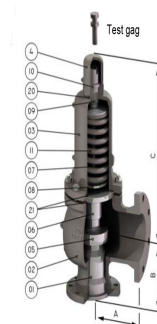
SAFETY OVERFLOW VALVES TOSACA MODEL 1400

- Dimensioning - EN-4126-1 / 7
- Structural design EN-12516-1, EN-4126-1 / 7
- Materials - EN / ASTM
- Tests - EN-4126-1 / 7, MSS-SP-55
- Tolerances EN-4126-1 and ASME UG-126

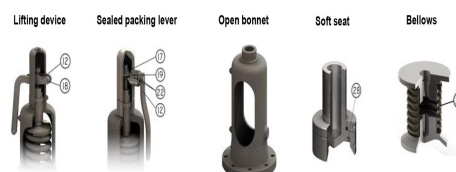
PRINCIPLE OF OPERATION

Automatic safety valve that opens proportionally to pressure rise.

The constant force between the pressure force and the reaction of the closing spring ensures minimal flow, respectively minimal fluid loss when the valve is actuated.



Options



WORKING FLUID / MEDIUM

Steam, gases, gas vapors and liquids

OPTIONS

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

Upon request

Dimensions: DN 15 - 400

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		15 x 25 to 25 x 40 PN16/25 steel	32 x 50 to 400 x 500 PN16/25 ductile iron	15 x 25 to 400 x 500 PN40-100 steel	15 x 25 to 400 x 500 PN 16-100 stainless steel
No.	Description				
1	Nozzle	AISI-316L	A351 CF-8	A351 CF-8	A351 CF-8
2	Body	CS 1.0619	EN-JS1030	CS 1.0619	1.4409
3	Lid	CS 1.0619	EN-JS1030	CS 1.0619	1.4409
4	Cap	A351 CF-8	A351 CF-8	A351 CF-8	A351 CF-8
5	Valve	AISI-316L	AISI-316L	AISI-316L	AISI-316L
6	Driver	AISI-304	AISI-304	AISI-304	AISI-304
7	Drive rod	AISI-316L	AISI-316L	AISI-316L	AISI-316L
8	Button	Steel	Steel	Steel	AISI-303
9	Adjustment screw	AISI-303	AISI-303	AISI-303	AISI-303
10	Lock nut	AISI-303	AISI-303	AISI-303	AISI-303
11	Spring	1.8159 steel	1.8159 steel	1.8159 steel	AISI-302
12	Handle	A 351 CF 8	A 351 CF 8	A 351 CF 8	A351 CF-8
17	Nut	AISI-304	AISI-304	AISI-304	AISI-304
18	Axis	AISI-303	AISI-303	AISI-303	AISI-303
19	Bushing	AISI-303	AISI-303	AISI-303	AISI-303
20	Sealed.	PTFE	PTFE	PTFE	PTFE
21	Lid seal	Graphite +SS	Graphite +SS	Graphite+SS	Graphite+SS
22	Handle seal	Viton	Viton	Viton	Viton
27	Bellows	AISI-316 Ti	AISI-316 Ti	AISI-316 Ti	AISI-316 Ti
28	Saddle seals.	Viton / PTFE	Viton / PTFE	Viton / PTFE	Viton / PTFE

SPECIFICATION	
Joining	Flange EN 1092 pn-16 / 25 / 40 / 63 / 100
Operating temperature	-196°C to +425°C
Minimum pressure for adjustment	0.2 barg, (for bellows valves - 2 barg)
Overpressure	10% for steam, gases and gas vapors / 21% when exposed to fire, 25% for liquids
Blowing	10%
Adjustment tolerance	± 3%

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Dimensions			PN 63							PN 100						
			Cross-section (mm)	Area (mm ²)	A	B	CW	kg		Cross-section (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	