

SAFETY VALVES THREADED TOSACA MODEL 1216

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

TECHNICAL CHARACTERISTICS



SAFETY RELIEF VALVE TOSACA MODEL 1216

- Calculation - EN-4126-1 / 7
- Construction design: EN-12516-1, EN-4126-1 / 7, DIN 259 and ANSI B2.1
- Available materials - stainless steel 316 L, duplex steels.
 - Working temperature range -30°C to +350°C.
 - Temperatures fro cryogene usage: -196°C
- Tests - EN-4126-1 / 7
- Tolerances 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

VARIANTS

- Available body materials: stainless steel, duplex steels

On request

[PDF - producer technical specification](#)

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Item	Description	Standard	Material cryogenic	Duplex	Specification	
					Connection	thread BSP / NPT pn-40
1	Nozzle	A351 CF-3M	A351 CF-3M	DUPLEX 1.4462	Working temperature	-30°C to +350°C cryogene usage: -196°C
2	Body	A351 CF-3M	A351 CF-3M	DUPLEX 1.4462	Minimum set pressure	2 barg
4	Cap	A351 CF-8	A351 CF-8	DUPLEX 1.4462	Overpressure	10%
5	Disc	AISI-316L	AISI-316L	DUPLEX 1.4462	Blowdown	10% gases 20% fluids
6	Guide	A351 CF-3M	A351 CF-3M	DUPLEX 1.4462	Pressure set tolerances	± 3%
7	Push Rod	AISI-316L	AISI-316L	DUPLEX 1.4462		
8	Spring Button	AISI-303	AISI-303	DUPLEX 1.4462		
9	Ajusting Screw	AISI-303	AISI-303	DUPLEX 1.4462		
10	Tensor Nut	AISI-303	AISI-303	DUPLEX 1.4462		
11	Spring	AISI-302	INCONEL X 750	INCONEL X 750		
12	Lever	A351 CF-8	A351 CF-8	DUPLEX 1.4462		
17	Release nut	AISI-304	AISI-304	DUPLEX 1.4462		
18	Lever axis	AISI-303	AISI-303	DUPLEX 1.4462		
19	Packing lever axis	AISI-303	AISI-303	DUPLEX 1.4462		
20	Gasket cap	PTFE	PTFE	PTFE		
21	Gasket	PTFE	PTFE	PTFE		
22	Gasket pack. lever	Viton	Viton	Viton		
28	Soft seat	Viton / PTFE	Metal	Metal		

Nom.dia.	Orifice (mm)	Area (mm ²)	A	B	C	Kg
1/2" x 3/4"	13	133	45	57	155	2,2
1/2" x 1"	13	133	45	57	155	2,2

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Nom.dia.	Orifice (mm)	Area (mm ²)	A	B	C	Kg
3/4" x 1"	14	154	45	57	155	2,2
1" x 1"	16	201	45	60	155	2,2
1" x 1 1/4"	16	201	45	61	155	2,3
1" x 2"	22	380	62	87	234	4,5
1 1/4" x 1 1/4"	18	254	45	62	155	2,4
CM X CM	28	616	62	89	234	4,6
2" x 2"	32	804	62	93	234	5,1