

SAFETY FLANGED VALVES TOSACA MODEL 1216

Material cast iron, steel, stainless steel
Pressure PN 16-100

TECHNICAL DESCRIPTION

SAFETY OVERFLOW VALVES TOSACA MODEL 1216

- Dimensioning - EN-4126-1 / 7
- Structural design: EN-12516-1, EN-4126-1 / 7, DIN 259 and ANSI B2.1
- Materials - Stainless steel 316 L and duplex steels.
- Temperature range -30°C to +350°C.
- Cryogenic operation -196°C
- Tests - EN-4126-1 / 7
- 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.

WORKING FLUID / MEDIUM

Steam, gases, gas vapors and liquids

OPTIONS

- Possible housing materials: stainless steel, duplex steels

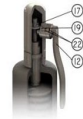
Upon request

[PDF - Technical specification from the manufacturer](#)

Dimensions: DN 15 - 400

Options

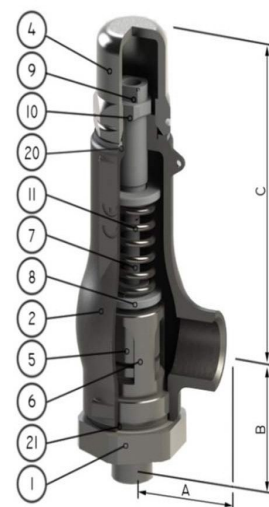
Sealed packing lever



Lifting device



Soft seat



SAFETY FLANGED VALVES TOSACA MODEL 1216

Material cast iron, steel, stainless steel

Pressure PN 16-100

No.	Description	Standard	Material for cryogenic application	Duplex steels
1	Nozzle	A351 CF-3M	A351 CF-3M	DUPLEX 1.4462
2	Body	A351 CF-3M	A351 CF-3M	DUPLEX 1.4462
4	Cap	A351 CF-8	A351 CF-8	DUPLEX 1.4462
5	Valve	AISI-316L	AISI-316L	DUPLEX 1.4462
6	Driver	A351 CF-3M	A351 CF-3M	DUPLEX 1.4462
7	Lifting lever	AISI-316L	AISI-316L	DUPLEX 1.4462
8	Spring button	AISI-303	AISI-303	DUPLEX 1.4462
9	Adjusting screw	AISI-303	AISI-303	DUPLEX 1.4462
10	Tension nut	AISI-303	AISI-303	DUPLEX 1.4462
11	Spring	AISI-302	INCONEL X750	INCONEL X750
12	Lever	A351 CF-8	A351 CF-8	DUPLEX 1.4462
17	Release nut	AISI-304	AISI-304	DUPLEX 1.4462
18	Pin	AISI-303	AISI-303	DUPLEX 1.4462
19	Lift lever seal	AISI-303	AISI-303	DUPLEX 1.4462
20	Lid seal	PTFE	PTFE	PTFE
21	Sealant	PTFE	PTFE	PTFE
22	Sealing lever	Viton	Viton	Viton
28	Soft saddle seal	Viton / PTFE	metal / metal	

SPECIFICATION		
Joining	threaded BSP / NPT pn-40	
Operating temperature	-30°C to +350°C	at cryogenic temperatures: -196°C
Minimum pressure for adjustment	2 barg	
Overpressure	10%	
Blowing	10% for gases	20% for liquids
Adjustment tolerance	± 3%	

SAFETY FLANGED VALVES TOSACA MODEL 1216

Material cast iron, steel, stainless steel

Pressure PN 16-100

Size	Cross-section (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
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