

# Model 1216 HP – High Pressure up to 400 BAR

**TOSACA**  
Safety relief valves

SAFETY RELIEF VALVES

## Description

Type Safety and Relief valve  
Connections Threaded BSP / NPT  
Rating PN-250 & 400  
Material Stainless steel 316 L  
Temperature range -28 to +350°C  
Cryogenic service until -196°C

## Requirements

Calculation EN-4126-1 / 7  
Design EN-12516-1, EN-4126-1 / 7  
DIN 259 and ANSI B2.1  
Materials EN  
Inspection EN-4126-1 / 7

## Technical Information

Applications Steam, gases, vapours and liquids  
Min. Set pressure 0,2 barg  
Overpressure 10%  
Blowdown Gases 10%, liquids 20%  
Tolerance Set pressure ± 3%  
Discharge coefficients k=0,5 for gases  
k=0,4 for liquids

## Dimensions (mm)

Inlet	Outlet	Orifice	Area (mm <sup>2</sup> )	A	B	C	Weight (kg)	Price £	Price €
<b>PN400 PN40</b>									
1/2"	3/4"	6	28	45	57	155	3	<b>£772.90</b>	<b>€797.00</b>
3/4"	3/4"	6	28	45	57	155	3	<b>£772.90</b>	<b>€797.00</b>
1"	1"	6	28	45	57	155	3	<b>£825.80</b>	<b>€851.60</b>
<b>PN100 PN40</b>									
1"	2"	16	201	62	95	234	5	<b>£1,005.80</b>	<b>€1,037.20</b>
1 1/4"	2"	18	254	62	100	234	5	<b>£1,005.80</b>	<b>€1,037.20</b>
1 1/2"	2"	20	314	62	102	234	6	<b>£1,016.40</b>	<b>€1,048.10</b>
2"	2"	22	380	62	105	234	6.3	<b>£1,048.40</b>	<b>€1,080.90</b>

## Construction and materials

Item	Description	Material	
		Standard	Cryogenic
1	Nozzle	A 351 CF-3M	A 351 CF-3M
2	Body	A 351 CF-3M	A 351 CF-3M
4	Cap	A 351 CF 8	A 351 CF 8
5*	Disc	17-4 PH	17-4PH
6	Guide	A 351 CF-3M	A 351 CF-3M
7	Push Rod	AISI-316L	AISI-316L
8	Spring Button	AISI-303	AISI-303
9	Adjusting Screw	AISI-303	AISI-303
10	Tension Nut	AISI-303	AISI-303
11 *	Spring	INCONEL X750	17 / 7PH
12	Lever	A 351 CF-8	A 351 CF-8
17	Release nut	AISI-316	AISI-316
18 *	Lever axis	AISI-303	AISI-303
19	Packing lever axis	AISI-303	AISI-303
20 *	Gasket	PTFE	PCTFE
21 *	Gasket	PTFE	PCTFE
22 *	Gasket	Viton	PCTFE
28*	O ring	PTFE	Metal

\* Recommended spare parts

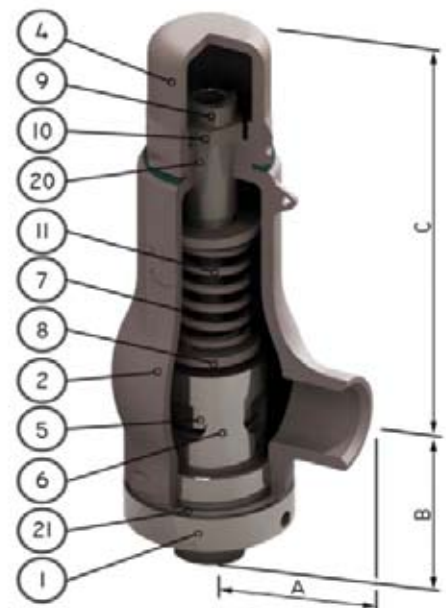


Lifting device

Sealed packing lever



Test gag



Disc o-ring

