

Model 1216 - Safety and Relief valve

DESCRIPTION

Type	Safety and Relief valve
Connections	Threaded BSP/NPT
Rating	PN-40
Material	Stainless Steel 316L
Temperature range	-30 to +350°C
Cryogenic service until	-196°C

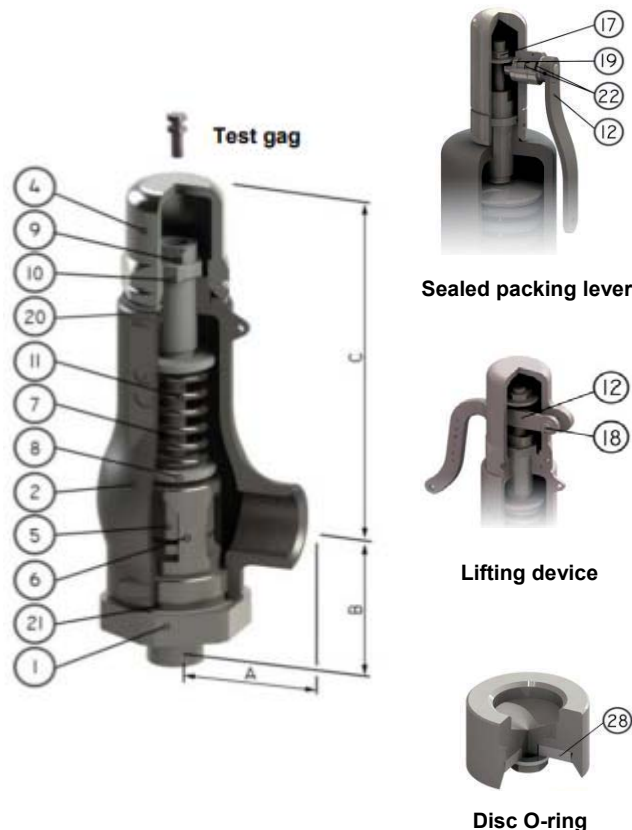
REQUIREMENTS

Calculation	EN-4126-1/7
Design	EN-12516-1, EN-4126-1/7 DIN 259 and ANSI B 2.1
Materials	EN
Inspection	EN-4126-1/7

CONSTRUCTION AND MATERIALS

Item	Description	Material	
		Standard	Cryogenic
1	Nozzle	A351 CF-3M	A351 CF-3M
2	Body	A351 CF-3M	A351 CF-3M
4	Cap	A351 CF-8	A351 CF-8
5 R	Disc	AISI-316L	AISI-316L
6	Guide	A351 CF-3M	A351 CF-3M
7	Spindle/Stem	AISI-316L	AISI-316L
8	Spring Button	AISI-303	AISI-303
9	Adjusting Screw	AISI-303	AISI-303
10	Lock Nut	AISI-303	AISI-303
11 R	Spring	AISI-302	INCONELX750
12	Lever	A351 CF-8	A351 CF-8
17	Release nut	AISI-304	AISI-304
18 R	Lever axis	AISI-303	AISI-303
19	Packing lever axis	AISI-303	AISI-303
20 R	Gasket	PTFE	PTFE
21 R	Gasket	PTFE	PTFE
22 R	Gasket	Viton	Viton
28 R	Soft seat	Viton/PTFE	Metal

R Recommended Spare Parts



TECHNICAL INFORMATION

Applications	Steam, Gases, Vapors & Liquids
Min. Set pressure	0,2 Barg
Set pressure tolerance	± 3%
Overpressure	10%
Blowdown	Gases 10%, Liquids 20%
Discharge coefficients	Gases K=0,55 Liquids K=0,48



DIMENSIONS

Inlet	Outlet	Orifice	Area (mm²)	A (mm)	B (mm)	C (mm)	Weight (Kg)
1/2"	3/4"	13	133	45	57	155	2,2
1/2"	1"	13	133	45	57	155	2,2
3/4"	1"	14	154	45	57	155	2,2
1"	1"	16	201	45	60	155	2,2
1"	1 1/4"	16	201	45	61	155	2,3
1"	2"	22	380	62	87	234	4,5
1 1/4"	1 1/4"	18	254	45	62	155	2,4
1 1/2"	2"	28	616	62	89	234	4,6
2"	2"	32	804	62	93	234	5,1

Disclaimer

The information, specifications and technical data contained in this catalogue are subject to change without notice by the manufacturer. The user should verify all technical data and specifications prior to use. EFSVALVES does not warrant that the material and information contained herein is current or correct and assumes no responsibility for the use or misuse of any such material and information by the user.