

Weyn-Lauwers N.V.

Industriepark-Noord 12
B - 9100 SINT-NIKLAAS

Tel. : 00 32 (0)3 776.34.13
Fax : 00 32 (0)3 778.09.52
weynlauwers@weynlauwers.be
www.weynlauwers.be

SAFETY VALVES model 1400 technical data sheet

Description

Type	Safety and Relief valve
Connections	Flanged EN 1092
Rating	PN-16 / 25 / 40 / 63 / 100
Material	Nodular Iron, Carbon steel Stainless steel
Temperature range	-28°C to +350°C

Requirements

Calculation	EN-4126-1 / 7
Design / Size	EN-12516-1, EN-4126-1 / 7
Materials	EN / ASTM
Inspection	EN-4126-1 / 7 API 527 MSS-SP-55
Tolerances	EN-4126-1 and ASME UG-126

Construction and materials

Item	Description	PN-16/25		PN-40		PN-63/100	PN-16/25/40		PN-63/100
		Carbon steel		Carbon steel		Carbon steel	Stainless steel		Stainless st.
		DN-15x25 to DN-40x65	DN-50x80 to DN-200x300	DN-15x25 to DN-50x80	DN-65x100 to DN-300x400	DN-15x25 to DN-65x100	DN-15x25 to DN-50x80	DN-65x100 to DN-300x400	DN-15x25 to DN-65x100
		PN-16/25	PN-16/25	PN-40	PN-40	PN-63/100	PN-16/40	PN-16/40	PN-63/100
1	Nozzle	C.S. + 308 L SS	C.S. + 308 L SS	C.S. + 308 L SS	C.S. + 308 L SS	316L + Stellite	AISI 316L	AISI 316L	316L + Stellite
2	Body	A106 Gr.B	EN-JS1030	A106 Gr.B	C.S. 1.0619	A106 Gr.B	AISI 316L	AISI 316L	AISI 316L
3	Bonnet	A106 Gr.B	EN-JS1030	A106 Gr.B	C.S. 1.0619	A106 Gr.B	AISI 316L	AISI 316L	AISI 316L
4	Cap	A351 CF-8	A351 CF-8	A351 CF-8	A351 CF-8	A351 CF8	A351 CF-8	A351 CF-8	A351 CF-8
5	Disc	AISI 420	C.S. + 308 L SS	AISI 420	C.S. + 308 L SS	AISI 316L	AISI 316L	AISI 316L	AISI 316L
6	Guide	C. Steel zn.	C.S. + 304 SS	C. Steel zn.	C.S. + 304 SS	C. Steel zn.	AISI 316L	AISI 316L	AISI 316L
7	Push Road	AISI 420	AISI 420	AISI 420	AISI 420	AISI 420	AISI 316L	AISI 316L	AISI 316L
8	Spring Button	C. Steel zn.	C. Steel zn.	C. Steel zn.	C. Steel zn.	C. Steel zn.	AISI 303	AISI 303	AISI 303
9	Ajusting Screw	Brass	AISI-420	AISI 303	AISI-420	AISI303	AISI 303	AISI 303	AISI 303
10	Lock Nut	Brass	C. Steel zn.	AISI 303	C. Steel zn.	C. Steel zn.	AISI 303	AISI 303	AISI 303
11	Spring	Carbon steel	Carbon Steel	Carbon steel	Carbon Steel	Carbon steel	AISI 302	AISI 302	AISI 302
12	Lever	A 351 CF 8	A 351 CF 8	A 351 CF 8	A 351 CF 8	A 351 CF 8	A351 CF-8	A351 CF-8	A351 CF-8
17	Release nut	AISI 304	AISI 304	Carbon steel	AISI 304	Carbon steel	AISI 316L	AISI 316L	AISI 316L
18	Lever axis	AISI 303	AISI 303	AISI-303	AISI 303	AISI-303	AISI 303	AISI 303	AISI 303
19	Packing lever axis	AISI 303	AISI 303	AISI-303	AISI 303	AISI-303	AISI 303	AISI 303	AISI 303
20	Gasket cap	NBR+MF	NBR+MF	NBR+MF	NBR+MF	NBR+MF	PTFE	PTFE	PTFE
21	Gasket bonnet	NBR+MF	NBR+MF	NBR+MF	NBR+MF	NBR+MF	PTFE	PTFE	PTFE
22	Gasket pack. lever	Viton	Viton	Viton	Viton	Viton	Viton	Viton	Viton
27	Bellow	316 TI SS	316 TI SS	316 TI SS	316 TI SS	316 TI SS	AISI 316TI	AISI 316TI	AISI 316TI
28	Soft seat	Viton / PTFE	Viton / PTFE	Viton / PTFE	Viton / PTFE	Viton / PTFE	Viton / PTFE	Viton / PTFE	Viton / PTFE

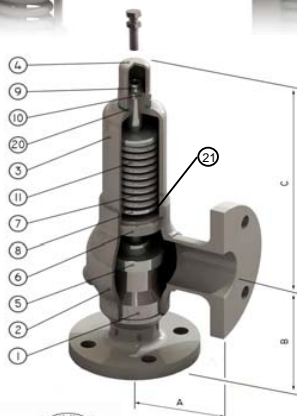
○ Recommended spare parts

Palanca manual
Lifting device



T. Prueba
Test gag

Palanca estanca
Sealed packing lever



Cpo. intermedio abierto
Open bonnet



Obturator o-ring
Disc soft seat



Technical information

Applications	Steam, gases, vapours and liquids
Min. Set pressure	0,2 barg
Seat	metal-metal, PTFE, Viton, Nozzle SS+Stellite
Overpressure	10% for steam, gas and vapour 20% for fire exposure 25% for liquid on thermal relief
Blowdown	7%
Tolerance Set pressure	± 3%
Discharge coefficients	k= 0,64 for gases k= 0,5 for liquids

