

PRESET SAFETY VALVES WITH GAUGE CONNECTION, DIAPHRAGM
AND LEVER ACTIVATION CE-0425 IN COMPLIANCE WITH DIRECTIVE PED 2014/68/EU

CONNECTIONS:

MALE - FEMALE



DESCRIPTION

This safety valve with lever activation is an automatic safety valve designed to open in the event the internal pressure of the system, which can be monitored by a gauge, if installed, exceeds the value for which it was designed (Preset Nominal Pressure Pnr) allowing the water to be released through it. The safety valve resets automatically when the internal pressure of the system returns below the preset nominal pressure of the valve. All the moving parts of this safety valve are isolated from fluids by an industrial rubber diaphragm. The safety valve with manual lever satisfies the essential safety requirements stipulated in the EU Pressure Equipment Directive (PED) 2014/68/EU.

TECHNICAL FEATURES

Pressure:

maximum allowable pressure (PN) 10 bar
 preset nominal pressure (Pnr) 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 bar (factory set and sealed)
 minimum accumulation pressure (Pc) Pnr -5%
 overpressure (Po) Pnr +10%
 reset value (Pf) Pnr -20%

Temperature:

maximum temperature 115 °C (water or air - Class 2)

Compatible fluids:

heat transfer fluids in compliance with Italian national standards UNI 8065 § 6
 glycolate solutions glycol 50%

Threading:

pipeline connection threads according to ISO 228/1
 gauge connection threads according to EN 10226- Rp1/4"
 Requirements and tests as per: EN 1489

PED TECHNICAL REQUIREMENTS

Maximum allowable temperature (TS) 115°C (water or air - Class 2 liquids)
 Maximum allowable pressure (PS) 10 bar
 Conformity assessment procedures modules B and D
 PED risk category IV (CE 0425)
 Flow coefficient K(water)=0,1723
 K(air)=0,7027
 "K" values according to ISO 4126-7:2016

DESIGN

Body and head valve brass CW617N
 Other components brass CW614N
 Lever stainless steel AISI 304
 Diaphragm EPDM Perox rubber
 Spring from 1,5 to 3,5 bar steel EN 10270-1 SM
 from 4 to 8 bar steel EN 10270-1 DH

PRODUCT CODES

0511.115 setting	1,5 bar	1/2" m/f	0511.150 setting	5 bar	1/2" m/f
0511.125 setting	2,5 bar	1/2" m/f	0511.160 setting	6 bar	1/2" m/f
0511.130 setting	3 bar	1/2" m/f	0511.170 setting	7 bar	1/2" m/f
0511.135 setting	3,5 bar	1/2" m/f	0511.180 setting	8 bar	1/2" m/f
0511.140 setting	4 bar	1/2" m/f			

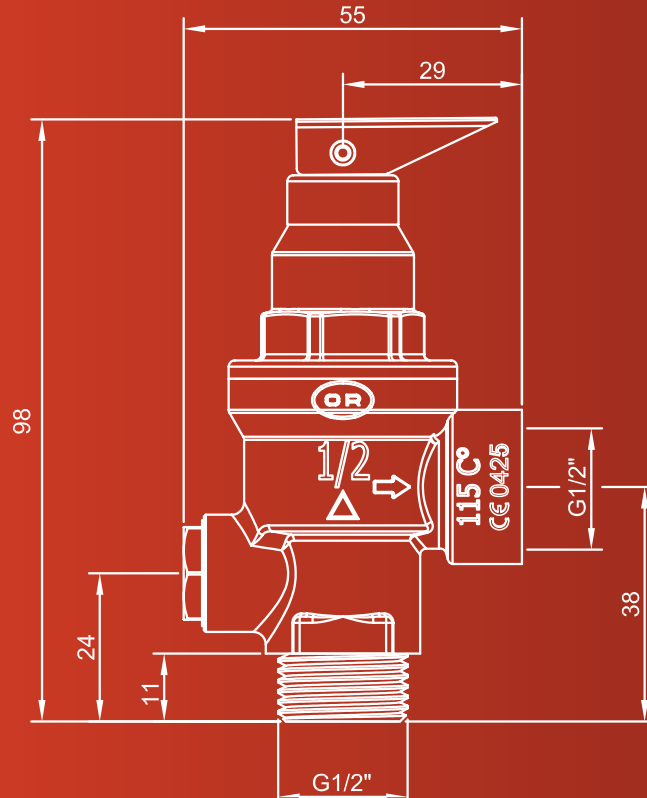


OFFICINE RIGAMONTI S.p.A.
 via Circonvallazione, 9
 13018 Valduggia (VC), ITALY
 TEL +39 0163.48165
 FAX +39 0163.47254
 www.officinerigamonti.it
 export@officinerigamonti.it

0511 • 1/2"

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SETTING

Discharging flow

P set	H ₂ O (l/h)	Gas (kg/h)
1,5	1722	244
2,5	2226	345
3	2440	395
3,5	2637	446
4	2820	496
5	3155	598
6	3457	699
7	3736	800
8	3995	901