MEMBRANE SAFETY VALVE

Fixed calibration

Product informations

Safety valve with INAIL qualified and calibrated diaphragm, which automatically, without the presence of energy other than that of the pressurized fluid, discharges a sufficient amount of fluid to prevent the predetermined safety pressure from being exceeded to protect the heat generator and the system. This valve is used in closed circuit heating systems with a rated output of more than 35 kW and using hot water with a temperature below 110°C; causes of valve tripping can be:

- elevation of the operating fluid temperature above the preset maximum value resulting in uncompensated expansion
- insufficient dimensioning of the expansion tank
- excessive circuit filling pressure

VALVE STRUCTURE	
1	VALVE BODY
2	SHUTTER
3	MEMBRANE
4	CAP
5	CALIBRATION NUT
6	MANUAL EXHAUST KNOB
7	SHUTTER BEAM
8	HAIRSPRING

Via Marco Polo 33
35020 Albignasego
Padova – Italy

P.IVA: 03859580288
Tel: +39 049 8625910
Mail: info@tecnogas.net

Technical Features

PRESSURE RATING	PN10
OVERPRESSURE	10%
CALIBRATION PRESSURE	2,5 BAR
CLOSING SCRAP	< 20%
MAX OPERATING TEMPERATURE	- 10°C ÷ + 120°C
MATERIALS	• BODY AND CAP: BRASS CW617N • MEMBRANE AND SEALS: EPDM • KNOB FOR MANUAL DISCHARGE: SHOCKPROOF TECHNOPOLYMER • CALIBRATION SPRING: C100 STEEL WITH GALVANIC PROTECTION • SHUTTER: BRASS CW617N

SKU	*CONNECTION*	*BAR PRESSURE*			*ORIFICE DIAMETER*	*COEFFICIENT OF EFFLUX*	*DISCHARGE FLOW RATE*	*RATED POWER OF THE GENERATOR*	
		SETTING	MAX DISCHARGE	CLOSING MIN				KCAL/H	KW
70152	1/2" X 3/4" FF WITH INCREASED OUTPUT	2,5	2,75	2	Ø 15 MM	0,71 K	221,40 KG/H	110.703	128,41
70153	3/4" X 1" FF WITH INCREASED OUTPUT	2,5	2,75	2	Ø 20 MM	0,80 K	443,52 KG/H	221.760	257,24
70154	1" X 1" 1/4 FF WITH INCREASED OUTPUT	2,5	2,75	2	Ø 25 MM	0,71 K	615,03 KG/H	307.515	356,71

TECNOGAS
I percorsi della tecnologia.

Via Marco Polo 33
35020 Albignasego
Padova – Italy

P.IVA: 03859580288
Tel: +39 049 8625910
Mail: info@tecnogas.net

Membrane Safety Valve

SKU	*DN*	*W*	*H*	*A*
70152	1/2" X 3/4" FF	37 MM	119 MM	24 MM
70153	3/4" X 1" FF	48 MM	165 MM	29 MM
70154	1" X 1" 1/4 FF	54 MM	190 MM	34,5 MM

SKU	MODEL	PRICE
00000070152	MEMBRABE SAFETY VALVE - FF IN Ø 1/2" - OUT 3/4"	€112.85 VAT EXCLUDED
00000070153	MEMBRABE SAFETY VALVE - FF IN Ø 3/4" - OUT 1"	€167.15 VAT EXCLUDED
00000070154	MEMBRABE SAFETY VALVE - FF IN Ø 1" - OUT 1" 1/4	€335.45 VAT EXCLUDED

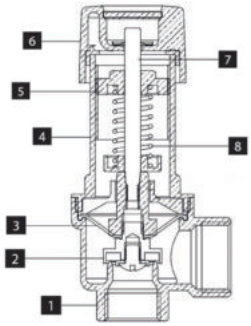


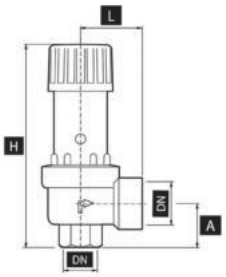




Via Marco Polo 33
35020 Albignasego
Padova – Italy

P.IVA: 03859580288
Tel: +39 049 8625910
Mail: info@tecnogas.net





Via Marco Polo 33
35020 Albignasego
Padova – Italy

P.IVA: 03859580288
Tel: +39 049 8625910
Mail: info@tecnogas.net