



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

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



Technical Features

PRESSURE RATING	PN10
OVERPRESSURE	10%
CALIBRATION PRESSURE	2,5 BAR
CLOSING SCRAP	< 20%
MAX OPERATING TEMPERATURE	- 10°C ÷ + 120°C
MATERIALS	<ul style="list-style-type: none"> • BODY AND CAP: BRASS CW617N • MEMBRANE AND SEALS: EPDM • KNOB FOR MANUAL DISCHARGE: SHOCKPROOF TECHNOLOGY • 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



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"	€107.45 VAT EXCLUDED
00000070153	MEMBRABE SAFETY VALVE - FF IN Ø 3/4" - OUT 1"	€159.15 VAT EXCLUDED
00000070154	MEMBRABE SAFETY VALVE - FF IN Ø 1" - OUT 1" 1/4	€319.45 VAT EXCLUDED





Membrane Safety Valve

