

FICHE TECHNIQUE LES SOUPAPES SECURITES THERMIQUES



SY99

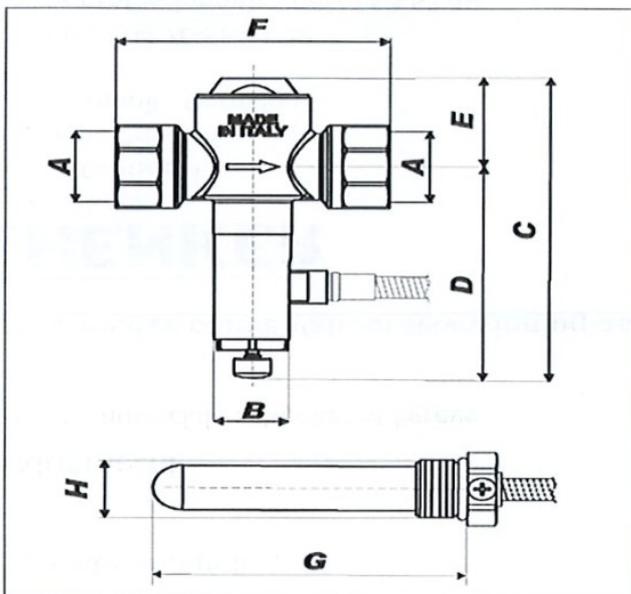
Caractéristiques techniques générales :

FF 3/4, 10 bars max, Sonde 85mm, capillaire 1300mm.
Température d'ouverture 95°C.
Température maximum 122°C.
Débit : 2,28 m³/h
Fluides : Eau et solutions glycolées
1 élément sensible renforcé afin d'assurer la longévité de fonctionnement de la soupape dans le temps.

Applications générales :

Protection de chaudières à combustibles solides.

PRODUCT & DIMENSIONS



TECHNICAL FEATURES

CONNECTIONS

Body: Female G 3/4"
Trap: Male G 1/2"
Capillary length: 1300 mm

MATERIALS USED

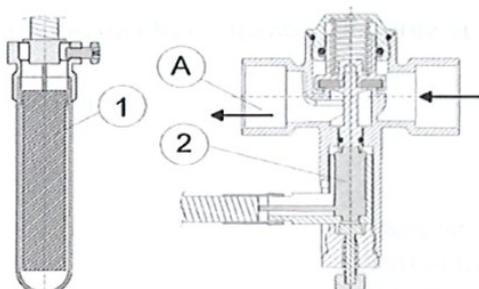
Body: Brass CW617N - UNI 12165
Control rod: Brass CW614N - UNI 12164
Shutter seal: EPDM
O-Ring: EPDM
Spring: Carbon steel C70
Bellow support: Grivory 40% Fiberglass
Reset button: Nylon Pa66

PERFORMANCES

Max operating pressure: 10 bar
Discharge temperature: 95°C (±2°C)
Max sensor temperature: 122°C
Allowed fluid: Water and glycol solutions
Max glycol percentage: 50%
Release flow: 2.28 m³/h (Δp= 1bar - 110°C)
Ambient temperature range: 0±80°C

A	B	C	D	E	F	G	H	Weight (Kg)
3/4"	Ø21	109	77	32	74	85	1/2"	0.660

OPERATING PRINCIPLE



When the temperature of the water in the circuit increases, a liquid-gas conversion occurs inside the sensitive element (point 1 in the figure), resulting in increased volume inside the capillary and thus dilatation of the bellow (point 2), which presses against the shutter and opens passageway "A".

A red button on the lower part of the valve can be used to empty the system manually at any time.