

VSF123 – VSF123/34

Brass relief valves,
suitable for compressed air, gas and liquid



FEATURES

Relief valve for pressure up to 50 bar (725 psi).

Inlet and outlet connections 1" – F and 3/4" – F.

The relief valve opens when the inlet pressure increases above the set point initially regulated by the adjusting screw and it closes when the pressure goes down under the set point.

Set point pressure is controlled by a rubber diaphragm for pressure up to 15 bar (217, 5 psi), by a piston for greater pressure.

The product complies with the directive 2014/68/EU PED.

SPECIFICATIONS

Diaphragm relief valve weight: ~5,4 kg / ~11,9 lb

Piston relief valve weight: ~9.1 kg / ~20,06 lb

Working temperature: -20 °C ÷ +60 °C (-4 °F ÷ +140 °F) for standard version

Degree of protection: IP25

MATERIALS

Body: brass

Bonnet: aluminium

Internal parts: brass

Adjusting spring: C85 (not in contact with the fluid)

O-Ring: NBR (other compounds available on request)

Diaphragm: two opposite diaphragms NBR + PTFE (PTFE in contact with the fluid)

Piston: brass

Main valve gasket: NBR (up to 30 bar / 435 psi)

PA 6.6 (up to 50 bar / 725 psi)

(Other compounds available on request)

ACCESSORIES

Wall mounting bracket

Pre-set version: factory set relief pressure

Dome loaded version: relief pressure to be controlled by a pilot pressure

Fixed relief pressure: adjusting screw locked by a cap nut

SPARE PARTS

Complete kit: main valve, diaphragm and o-rings

generating the product code

VSF123 OTTONE STAMPATO			
AA BB CC D EE			
AA	Attacchi / Connections	Q0	VSF123 ottone G3/4-F
		R0	VSF123 ottone G1-F
BB	Intervallo d'uscita/ Outlet range	A0	Pout 0,2 - 1,5 bar
		B0	Pout 0,3 - 3 bar
		D0	Pout 0,8 - 8 bar
		E0	Pout 1,5 - 15 bar
		F0	Pout 3 - 30 bar
		G0	Pout 5 - 50 bar
CC	Tipologia di fluido / Fluid type	15	O2
		97	NBR
		98	EPDM
		99	FPM
D	Marchiato / Marked	I	ID
EE	Accessori/Accessories	00	Nessun accessorio

CODE COMPOSITION EXAMPLE

S51# R0 D0 97 I 00

S51#: Brass series M relief valves

R0: Connections G 1 – F

A0: Relief pressure range 0,2 – 1,5 bar (2,9 – 21,7 psi)

97: NBR gaskets

I: Insert Deal

00: No accessories

technical drawings (all dimensions in mm)

Bracket to be ordered separately: Order number P36043A21208

TYPE	OUTLET PRESSURE [bar]	H	L1	L2
Diaphragm	0.2÷1.5/0.3÷3/0.8÷8/1.5÷15	~289	~50	~80
Piston	3÷30/5÷50	~314	~73	~103

MODEL	IN/OUT
VSF123 1"GF	G1-F
VSF123 1"NPTF	1"NPT-F
VSF123 3/4"GF	G3/4-F
VSF123 3/4"NPTF	3/4"NPT-F

