

HELYON

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VSF190

Aluminium high precision relief valves ,
suitable for compressed air and gas



FEATURES

High precision relief valve for pressure up to 3 bar (43,5 psi).

Inlet and outlet connections G 2 – F by flanges screwed to the body.

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.

The product complies with the directive 97/23/CE PED.

SPECIFICATIONS

Relief valve weight: ~12,3 kg / ~27,12 lb (Pout=50÷150 mbar / 0,72÷2,17 psi)

~14,5 kg / ~31,97 lb (Pout=0,3÷3 bar / 4,35÷43,51 psi)

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

Degree of protection: IP25

MATERIALS

Body and bonnet: aluminium

Internal parts: brass

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

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

Main valve gasket: NBR

O-ring: NBR

SPARE PARTS

Complete kit: main valve, diaphragm and o-rings

available model types

High sensibility relief valves

Relief valves for low pressure made of aluminium suitable for compressed air and non corrosive gases (except O₂)

Bonnet and body of aluminium. Standard structure

TYPE	P in mBar	Connection IN	Connection OUT	MEDIUM
				VSF190
VSF190 A	20 – 50	G 2-F	G 2-F	*
				**
VSF190 B	50 – 150	G 2-F	G 2-F	*
				**
VSF190 C	150 – 300	G 2-F	G 2-F	*
				**
VSF190 D	300 – 3000	G 2-F	G 2-F	*
				**

* Air – N₂ – He – Ar – H₂ – C₃H₈ – CH₄

** CO₂ – N₂O

CONNECTION DIFFERENT FROM STANDARD

Connections different from standard (2" NPT-T ; G 1 1/2-F ; 1 "1/2 NPT-F)

Connections with flanges

EXECUTIONS DIFFERENT FROM STANDARD

O-ring in accordance to FDA

O-ring different from standard – FPM

O-ring different from standard - EPDM

Not standard branding

Temperature different from standard

Degreased for O₂

technical drawings (all dimensions in mm)

