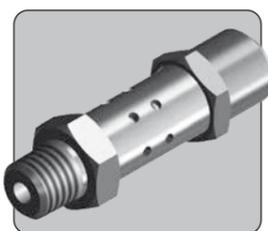


S25 SAFETY RELIEF VALVE

1/4" UP TO 40 BAR 580 PSI



The S25 is a vent to atmosphere safety relief valve. Designed with an elastomeric seat seal the valve combines excellent leakage performance with a high discharge flow capacity from its pop-open characteristic.

The valve is approved as a safety accessory to category IV of the Pressure Equipment Directive, and is suitable for use in the most demanding liquid or gas applications.

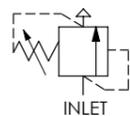
- Approved to category IV of the Pressure Equipment Directive (2014/68/EU)
- Pop-open characteristic for maximum discharge capacity
- Vents to atmosphere – no need for exhaust side pipework
- Available preset and internally adjustable. Wire locking and tagging available on request
- Available with relieving gear to enable manual release of pressure
- Virtually zero leakage at 90% of set pressure
- Reseat within the greater of 5 psi or 7.5% of set pressure when valve has opened and not popped
- Reseat within 50% of set pressure once popped
- Repeatability within the greater of 2 psi or ±3% of nominal set pressure

Specifications

BASIC MODEL NUMBER

S25

SYMBOL



MAX WORKING PRESSURE

40 bar (580 psi)

ORIFICE SIZE

Ø5.0mm (Ø0.197")

FLUID

Liquids and Gases
See materials section

TEMPERATURE RANGE

See Product Selector opposite and Technical Data section

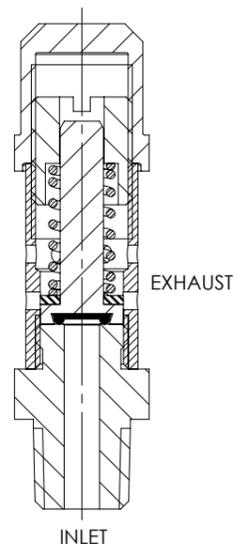
PORT SIZE

1/4"

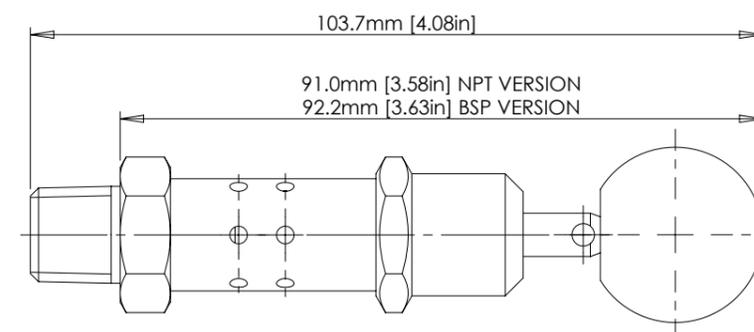
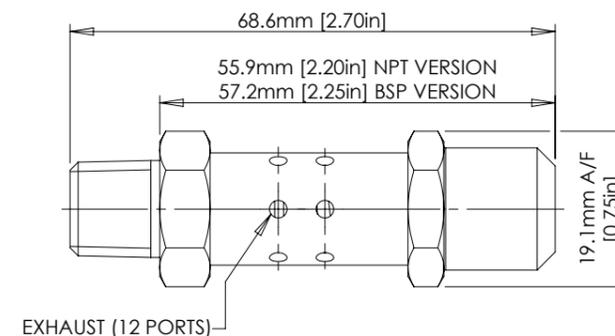
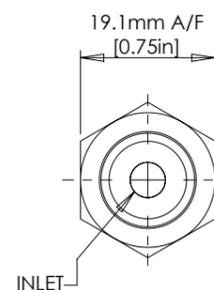
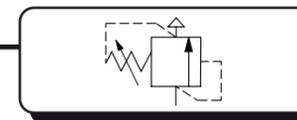
WEIGHT

0.1 kg (0.22 lb)

Specifications may change without notice



Installation Diagram



RG - RELIEVING GEAR OPTION

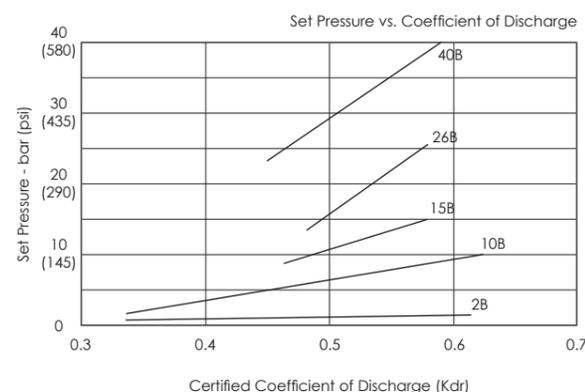
Materials

Externally Exposed and Internally Wetted Parts: 316 and 302 stainless steel, and acetal. The SWD version is 316 stainless steel and acetal.

The standard valve is designed for use with air and plain water. The SWD version uses materials suitable for use with sea water and may be used subsea. Note that use with water above 100°C is not recommended. Other media compatible with the materials of construction may be used, although consideration must be given to the safety of such fluids when vented to atmosphere.

⚠ The standard valve has Viton® seals. Further seal options are available via the Product Selector. Compatibility with the working fluid at the operating temperature must be considered.

Typical Performance



The Kdr value may be used to calculate discharge capacity in accordance with ISO 4126. We recommend contacting us with system details to confirm suitability.

Product Selector

S25 P - RG - EP - 2B

VALVE TYPE	PORTING OPTIONS	VALVE OPTIONS	SEAL OPTIONS	SET PRESSURE RANGE
S25	<p>P 1/4" BSPP male</p> <p>N 1/4" NPT male</p>	<p>RG Relieving gear</p> <p>⚠ Exposure to high and low fluid temperatures will influence handle temperature. Operator safety must be considered.</p> <p>SWD Materials compatible with sea water</p> <p>Any combination of options is allowable</p>	<p>Leave blank for Viton® seals -10°C to +160°C</p> <p>EP EPDM seals -45°C to +150°C</p> <p>HNBR Hydrogenated Nitrile seals -20°C to +150°C</p> <p>Further seal options are available on request</p> <p>⚠ The safety of venting high and low temperature fluids to atmosphere must be considered</p>	<p>2B 0.7 - 2 bar (10 - 29 psi)</p> <p>10B 2 - 10 bar (29 - 145 psi)</p> <p>15B 8 - 15 bar (116 - 218 psi)</p> <p>26B 13 - 26 bar (189 - 377 psi)</p> <p>40B 23 - 40 bar (334 - 580 psi)</p> <p>Advise us of set pressure if factory pre-setting is required</p>

Repair and seal kits are available on request

For a seal kit add SK at the end of the model code and for a repair kit add RK



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