

# SRV2S

## 2.1 Description

The SRV2S is a compact, stainless steel, direct acting pressure reducing valve designed for applications using steam or gases such as compressed air. All wetted parts are constructed in 316L stainless steel.

SRV2S pressure reducing valves are supplied with one of three colour coded springs which are identified by the disc (18) located on the adjustment handwheel (2):

<b>Grey</b>	For downstream pressure control: 0.14 to 1.7 bar g	(2.03 to 24.65 psi g)
<b>Green</b>	For downstream pressure control: 1.40 to 4.0 bar g	(20.30 to 58.00 psi g)
<b>Orange</b>	For downstream pressure control: 3.50 to 8.6 bar g	(50.75 to 124.70 psi g)

**Note:** Where control spring ranges overlap always use the lower range to give better control.

## Standards

This product fully complies with the requirements of the European Pressure Equipment Directive 97/23/EC.

## Certification

This product is available with certification to EN 10204 3.1. **Note:** All certification/inspection requirements must be stated at the time of order placement.

**Note:** For further product data see Technical Information Sheet, TI-P186-05.

## 2.2 Sizes and pipe connections

1/2", 3/4" and 1" screwed BSP (BS 21 Rp) or NPT.

DN15, DN20 and DN25 Flanged EN 1092 PN25 and ANSI 150.

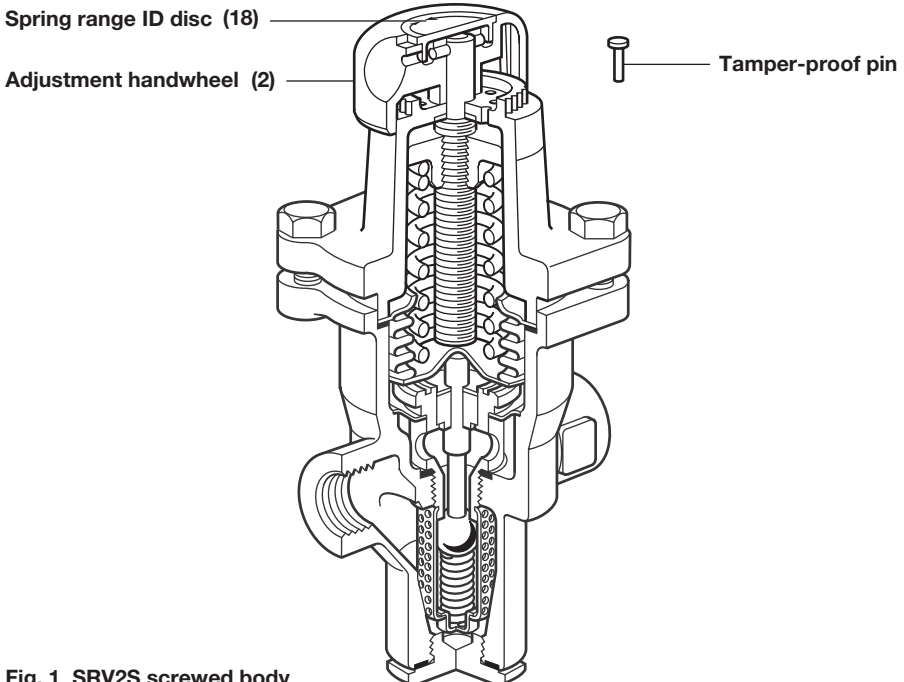
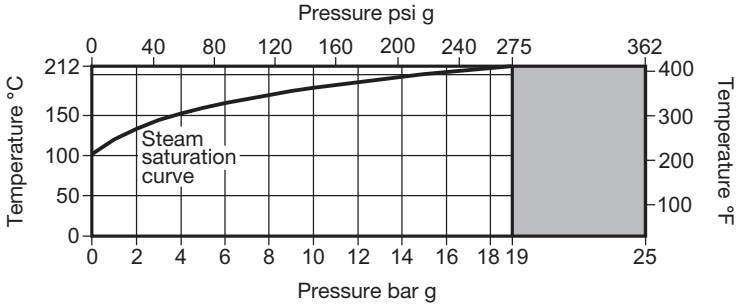



Fig. 1 SRV2S screwed body

### 2.3 Pressure/temperature limits



 The product **must not** be used in this region.

Body design conditions	PN25	
Maximum design pressure	25 bar g @ 120°C	(362 psi g @ 248°F)
Maximum design temperature	212°C @ 19 bar g	(413°F @ 275 psi g)
Minimum design temperature	0°C	(32°F)
Maximum operating pressure for saturated steam service	19 bar g	(275 psi g)
Maximum operating temperature	212°C @ 19 bar g	(413°F @ 275 psi g)
Minimum operating temperature	0°C	(32°F)
<b>Note:</b> For lower operating temperatures consult Spirax Sarco		
Maximum downstream reduced pressure	8.6 bar g	(125 psi g)
Maximum differential pressure	19 bar	(275 psi)
Maximum recommended turndown ratio 10:1 at maximum flow		
Designed for a maximum cold hydraulic test pressure of:	38 bar g	(551 psi g)
<b>Note:</b> With internals fitted, test pressure must not exceed:	19 bar g	(275 psi g)