

# Flow control, 2-way pressure compensated, fixed setting with integrated relief pilot operated spool type Special cavity, 019-E

VSRF-08S

04.08.01 - X - 19 - Z

**RE 18321-32**

Edition: 04.2021

Replaces: 01.2019



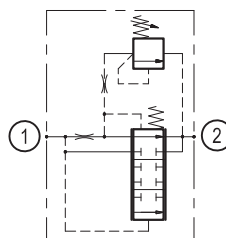
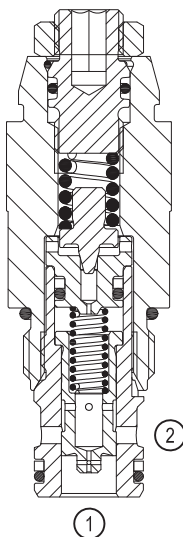
## Description

A constant flow rate, regardless of system pressures, is established from 1 to 2. The valve cannot be adjusted for variable flow output. Flow from 2 to 1 is limited by the diameter of the selected control orifice and is not pressure compensated. When pressure in 1 meets the setting of relief function, flow is allowed to tank through port 2. Pressure at port 2 is additive to the relief setting of the valve. VSRF-08S is a compact multifunction solution, able to replace in example LS relief and LS flow compensator in one single cartridge.

## Technical data

<b>Flow function</b>	
Pressure min. - max.	25 - 420 bar (363 - 6090 psi)
Flow range	see "Regulated flow range" table
<b>Relief function</b>	
Max. pressure	420 bar (6090 psi)
Max. flow	20 l/min. (5.3 gpm)
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	40 - 45 Nm (30 - 33 ft-lbs)
Weight	0.15 kg (0.33 lbs)
MTTFD	150 years see RE 18350-51
Special cavity	019-E (see data sheet 18325-75)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit <sup>1)</sup>	Code: RG19E201052010 material no: R934003560
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt)
Recommended degree of fluid contamination	Nominal value max. 10µm (NAS 8) / ISO 4406 20/18/15
Installation	No restrictions
Other Technical Data	See data sheet 18350-50

1) Only external seals for 10 valves



Ordering code

Ordering code

04.08.01		X	19	Z	00	*
Flow control, 2-way pressure compensated fixed setting with integrated relief pilot operated spool type						Series 0/A to L unchanged performances and dimensions
						Version and options standard
Regulated flow range l/min. (gpm) ± 15% at 25 bar				42	Adj. press. range bar (psi)	Press. increase bar (psi)
0.4 (0.11)		04			35-420 (508-6090)	228 (3306)
0.7 (0.18)		07				350 (5075)
1.2 (0.32)		12				
				19 Special cavity, 019-E		

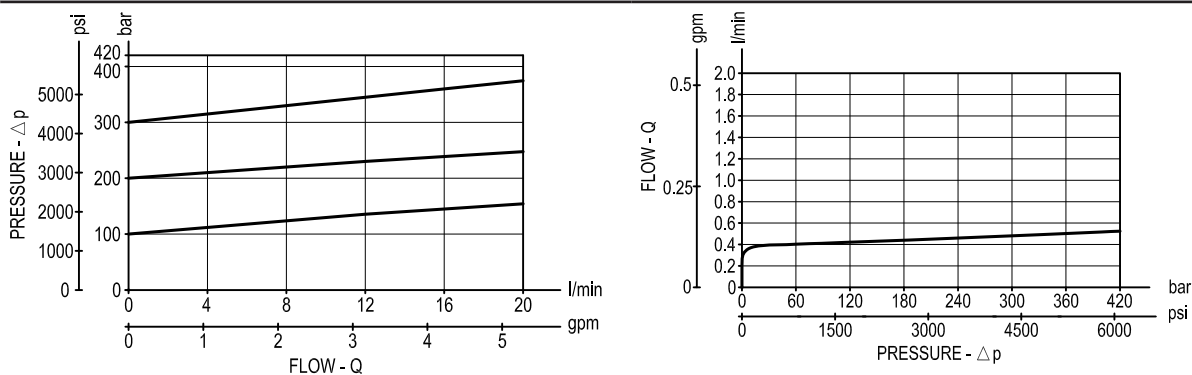
Preferred types

Type	Material number	Type	Material number
040801041942000	R930065384		
040801071942000	R930065385		
040801121942000	R930065386		

Characteristic curves

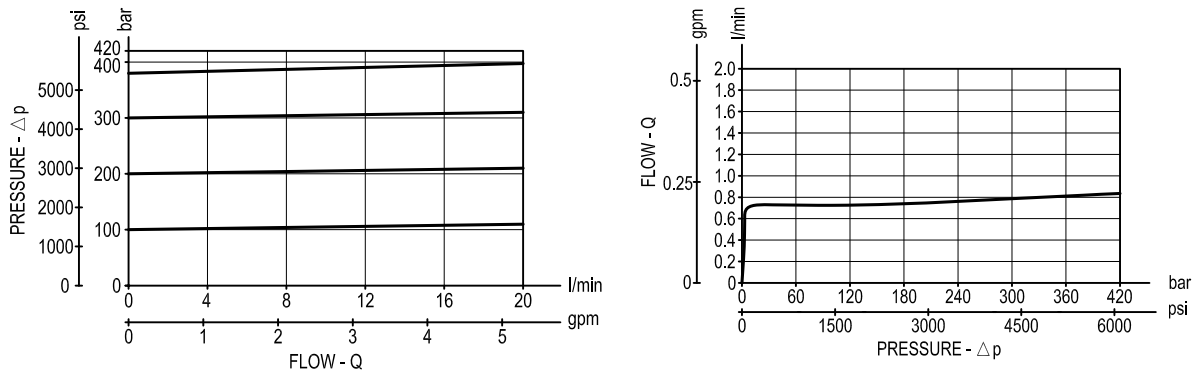
**Version 04**

Pressure drop



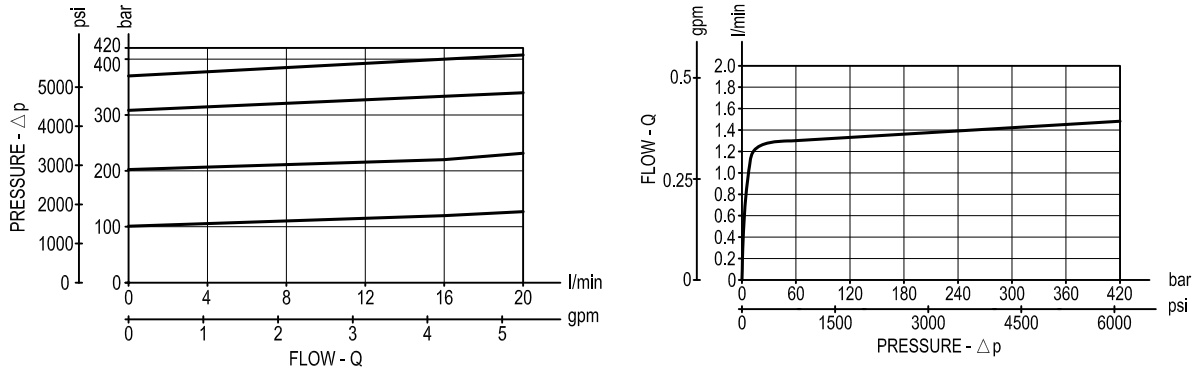
**Version 07**

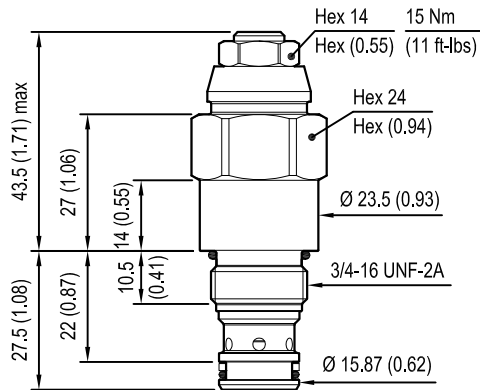
Pressure drop



**Version 12**

Pressure drop



**Dimensions****OPTION**

Tamper resistant cap orange  
Mat. no. R900168151

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