

Relief, direct acting poppet type

Special cavity, 348

VS-5-CF

04.11.57 - X - 99 - Z

RE 18318-20

Edition: 06.2021

Replaces: 01.2019

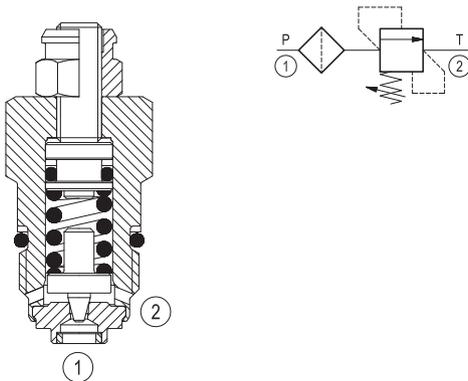


Description

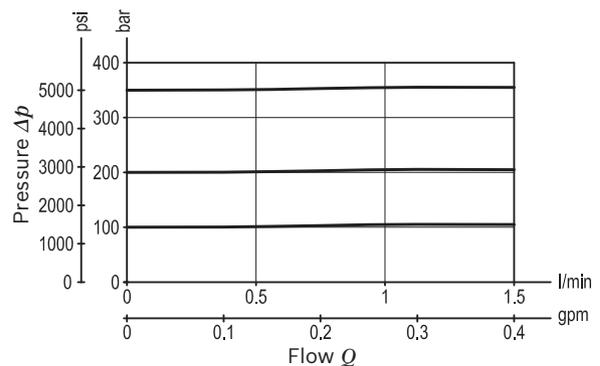
Flow is blocked from 1 to 2 until pressure increases to meet the selected valve setting, lifting the poppet from its seat and allowing relief flow through 2 to tank. Pressure at 2 is additive to the relief setting of the valve. The cartridge is suitable only for pilot or thermal relief applications.

Technical data	
Max. operating pressure	460 bar (6600 psi)
Max. flow	1.5 l/min (0.4 gpm)
Max. internal leakage ¹⁾	5 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	27 - 33 Nm (20 - 24 ft-lbs)
Weight	0.05 kg (0.11 lbs)
MTTFd	150 years see RE 18350-51
Special cavity	348 (see data sheet 18325-75)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ²⁾	Code: RG0348010520100 material no: R930001669
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /s (cSt)
Recommended degree of fluid contamination	Nominal value max. 10µm (NAS 8) / ISO 4406 20/18/15
Installation position	No restrictions
Salt spray test to DIN EN ISO 9227:2017-07	500h
Other Technical Data	See data sheet 18350-50

- 1) At 80% of pressure setting
- 2) Only external seals for 10 valves



Characteristic curve



Ordering code

04.11.57	X	99	Z	00	*
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Relief, direct acting poppet type

Series 0/A to L
unchanged performances and dimensions
Version and options standard

Adjustments

03 Leakproof hex. socket screw

99 Special cavity, 348

SPRINGS			
	Adj. press. range bar (psi)	Pressure increase bar/turn (psi/turn)	Std. setting bar (psi) cracking pressure
10	25-100 (350-1450)	40 (580)	100 (1450)
20	100-200 (1450-2900)	73 (1059)	200 (2900)
35	200-350 (2900-5000)	167 (2422)	350 (5000)
46	350-460 (5000-6600)	228 (3306)	350 (5000)

Preferred types

Type	Material number
04115703991000A	R901099066
041157039920000	R901099072
041157039935000	R901099117
041157039946000	R901099135

Type	Material number

Dimensions

OPTION
Tamper resistant cap
ordering code 11.04.31.001
Mat. no. R930000777

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