

Pressure reducing and relieving,  
direct acting spool type  
Special cavity, CA-07A-3N

VRPR-07A

04.95.08 - X - 99 - Z

**RE 18318-59**

Edition: 03.2016

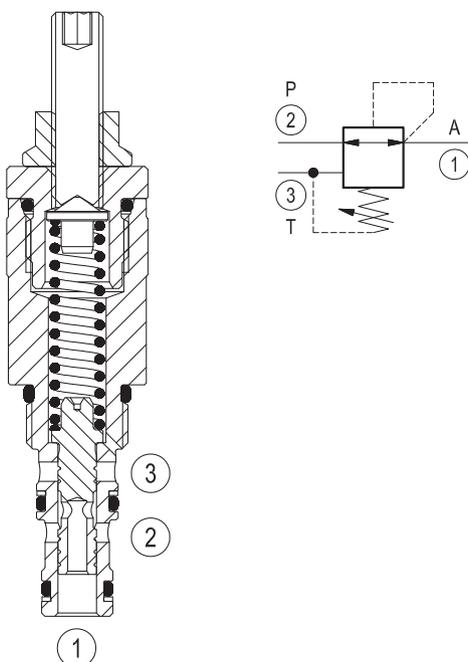
Replaces: 07.2012



Technical data	
Max. operating pressure port 2 (P)	420 bar (6000 psi)
Max. pressure admitted port 1 (A)	70 bar (1000 psi)
Max. flow	5 l/min (1.3 gpm)
Max. internal leakage <sup>1)</sup>	50 cm <sup>3</sup> /min. (3 cu.in./min.)
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	24 - 27 Nm (18 - 20 ft-lbs)
Weight	0.14 kg (0.31 lbs)
Special cavity	CA-07A-3N (see data sheet 18325-75)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit <sup>2)</sup>	Code: RG07A3010520100 material no: R930001701
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 19/17/14
Installation position	No restrictions
Other Technical Data	See data sheet 18350-50

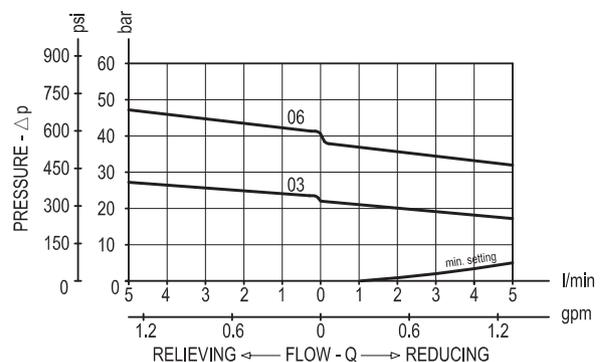
**Description**

Initially, flow passes freely from 2 to 1. When the pressure at 1 exceeds the pressure setting, the valve acts to restrict input flow at 2. This increases the pressure drop through the valve and maintains consistent pressure at 1. The spring chamber is drained at 3 to prevent a build-up of back-pressure against the spool. Additionally, if pressure at 1 rises above the pressure setting, flow is relieved to 3 until the setting is re-attained.



- 1) 1 - 3 to 80% of pressure setting
- 2) Only external seals for 10 valves

**Characteristic curve**



**Ordering code**

<b>04.95.08</b>	<b>X</b>	<b>99</b>	<b>Z</b>	<b>00</b>	<b>*</b>
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Pressure reducing and relieving,  
direct acting spool type

Adjustments

**91** Leakproof hex. socket screw

**99** Special cavity, CA-07A-3N

Series 0/A to L  
unchanged performances and dimensions

Version and options standard

SPRINGS			
	Adj. press. range bar (psi)	Pressure increase bar/turn (psi/turn)	Std. setting bar (psi) (reduc mode)
<b>03</b>	5-30 (75-435)	4.5 (65)	20-25 (290-360)
<b>06</b>	10-60 (145-870)	8 (116)	40-45 (580-650)

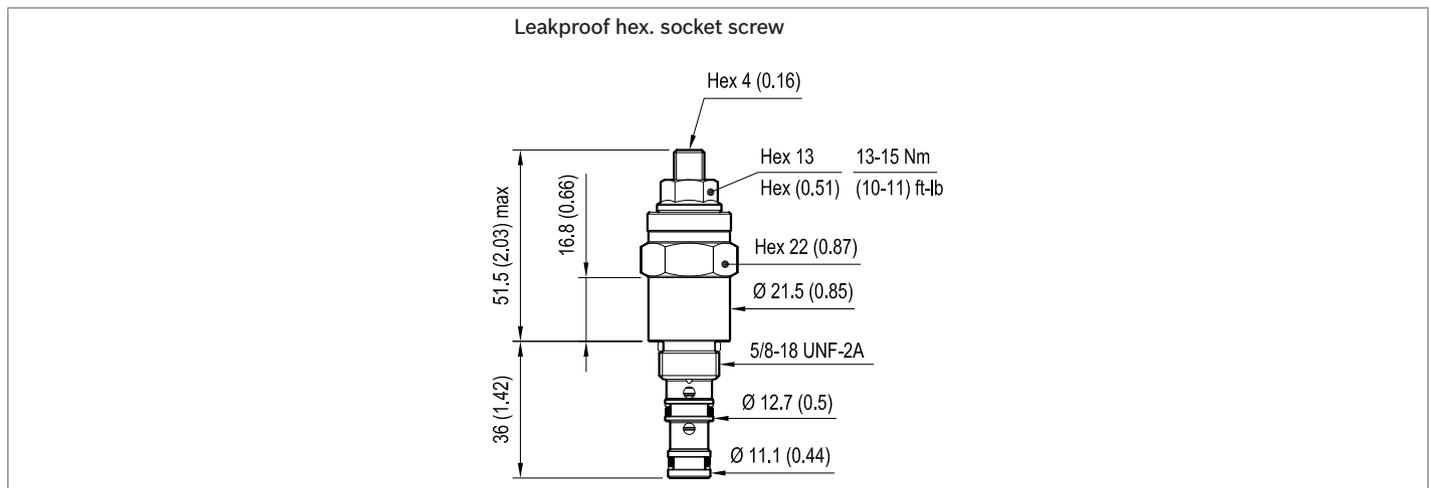
Note: Special settings available. Contact factory authorized representative for ordering code.

**Preferred types**

Type	Material number
049508919903000	R930006721
049508919906000	R930006722

Type	Material number

**Dimensions**



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