

Logic element, flow control  
with external pilot  
Common cavity, Size 16

VLSC-16A

04.84.02 - X - 27 - Z

**RE 18321-69**

Edition: 05.2017

Replaces: 03.2016

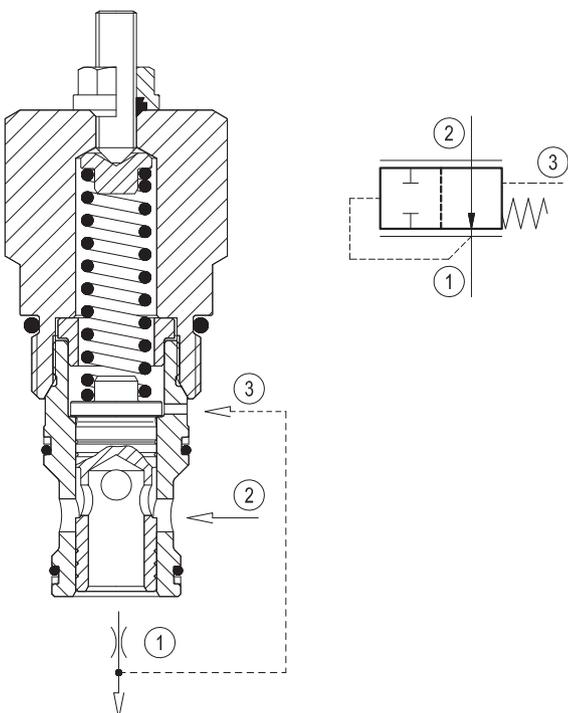


Technical data	
Max. operating pressure	350 bar (5000 psi)
Max. Flow	120 l/min (32 gpm)
Max. internal leakage <sup>1)</sup>	200 cm <sup>3</sup> /min. (12 cu.in./min.)
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	108 - 122 Nm (80 - 90 ft-lbs)
Weight <sup>2)</sup>	0.35 kg (0.77 lbs)
Cavity	CA-16A-3C (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit <sup>3)</sup>	Code: RG16A9010520100 material no: R901111388
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

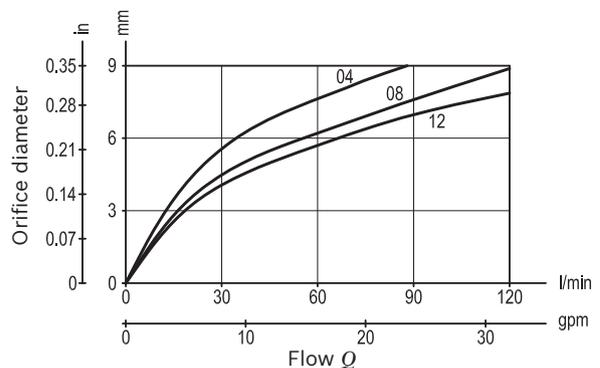
**Description**

When pressure at 1 rises above the selected spring bias pressure against the spool, the valve shifts to block flow from 2 to 1. Pilot pressure at 3 is additive to the spring bias pressure. The valve may be used in switching or compensation type applications, and will maintain a constant pressure drop across a fixed (or variable) orifice downstream of 1 when installed and piloted per the diagram above.

- 1) Measured at 200 bar (2900 psi)
- 2) Standard version X=00 type
- 3) Only external seals for 10 valves



**Characteristic curve**



**Ordering code**

<b>04.84.02</b>	<b>X</b>	<b>27</b>	<b>Z</b>	<b>00</b>	<b>*</b>
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Logic element, flow control with external pilot

Series O/A to L unchanged performances and dimensions

Version and options standard

**Adjustments**

- 00** Fixed setting
- 03** Leakproof hex. socket screw

**27** Common cavity, Size 16

		SPRINGS		
		Std. setting bar (psi)	Pressure increase bar/turn (psi/turn)	Bias spring bar (psi)
for X= 00	<b>04</b>	-	-	4.5 (65) ± 20%
	<b>08</b>	-	-	8 (115) ± 15%
	<b>12</b>	-	-	12.5 (180) ± 15%
for X= 03	<b>00</b>	4 (60)	1.5 (22)	4-12.5 (60-180)

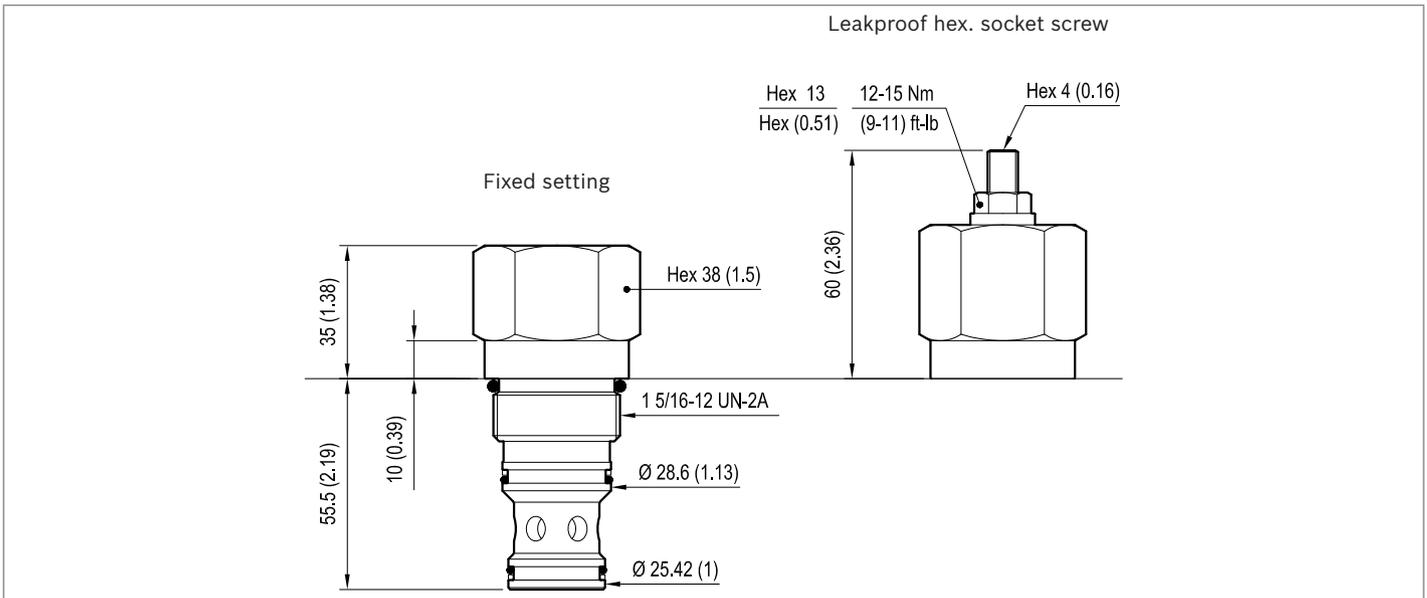
Note: Special settings available. Contact factory authorized representative for ordering code.

**Preferred types**

Type	Material number
04840200270400A	R901109376
04840200270800A	R901109377
04840200271200A	R901077638
04840203270000A	R901109379

Type	Material number

**Dimensions**



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