

Logic element, flow and pressure control
with internal pilot
Common cavity, Size 12

VLSP-12A

04.84.03 - X - 57 - Z

RE 18321-65

Edition: 03.2016

Replaces: 01.2010

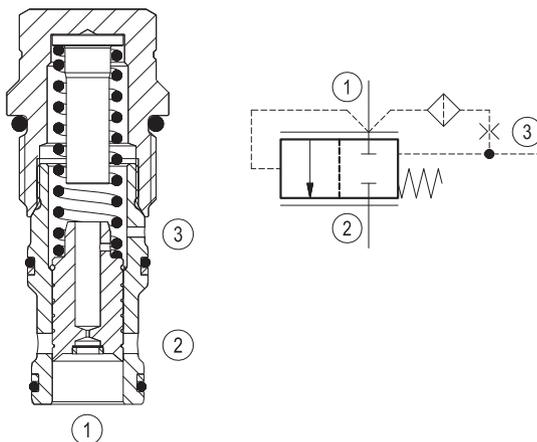


Technical data	
Max. operating pressure	350 bar (5000 psi)
Max. flow	120 l/min. (32 gpm)
Max. internal leakage ¹⁾	350 cm ³ /min. (21 cu.in./min.)
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	81 - 95 Nm (60 - 70 ft-lbs)
Weight	0.25 kg (0.55 lbs)
Standard internal orifice	0.6 mm
Cavity	CA-12A-3C (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ²⁾	Code: RG12A9010520100 material no: R901111379
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 19/17/14
Installation	No restrictions
Other Technical Data	See data sheet 18350-50

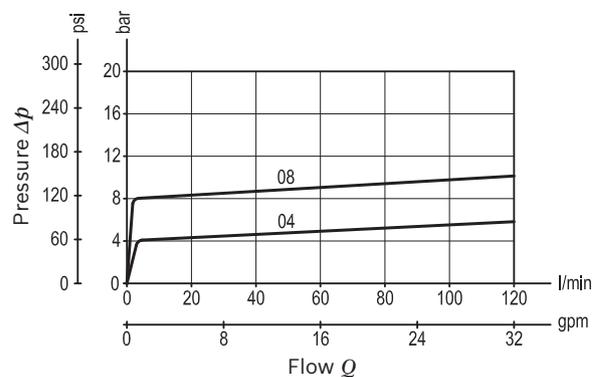
Description

When pressure at 1 rises above the selected spring bias pressure against the spool, the valve shifts to allow flow from 1 to 2. The differential pressure between 1 and 3, across an internal orifice, is additive to the spring bias pressure. Note that flow, restricted by the internal orifice, can be transmitted from 3 to 1. The valve may be used in switching or compensation type applications.

- 1) Measured at 200 bar (2900 psi)
- 2) Only external seals for 10 valves



Characteristic curve



Ordering code

04.84.03	X	57	Z	00	*
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Logic element, flow and pressure control with internal pilot

Series 0/A to L
unchanged performances and dimensions

Version and options standard

Adjustments
00 Fixed setting

SPRINGS	
04	4 (60) ± 20%
08	8 (115) ± 15%
11	11 (160) ± 15%

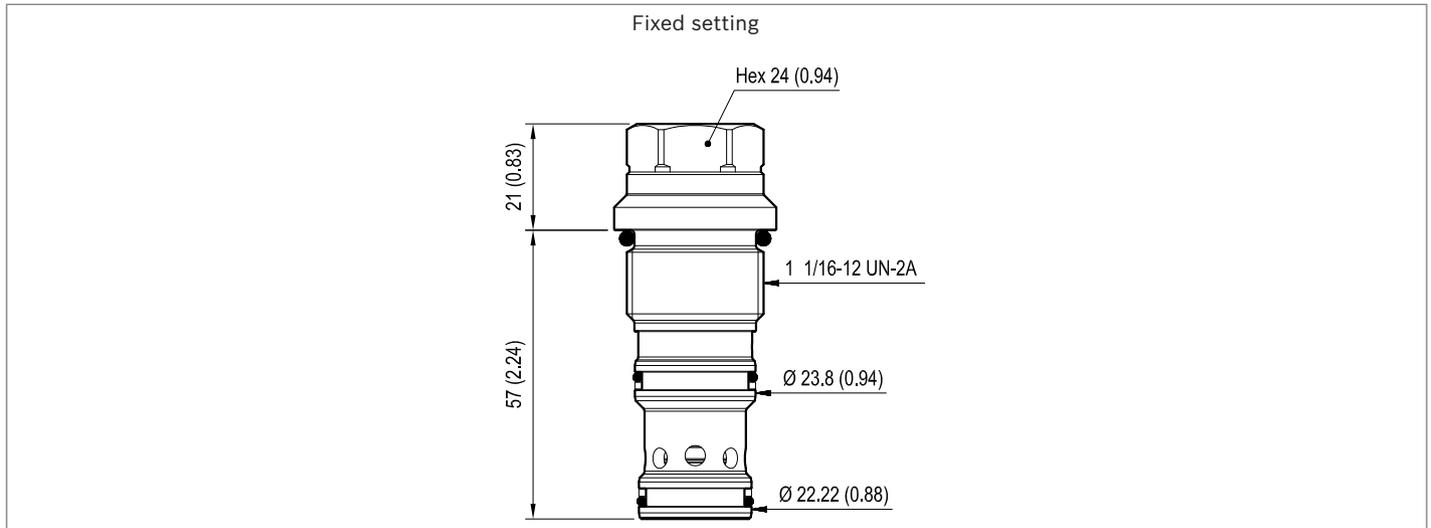
57 Common cavity, Size 12

Preferred types

Type	Material number
048403005704000	R930001950
048403005708000	R930001952
048403005711000	R930006907

Type	Material number

Dimensions



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