

Logic element, flow and pressure control with internal pilot Common cavity, Size 16

VLSP-16A

04.84.03 - X - 27 - Z

RE 18321-66

Edition: 03.2016

Replaces: 09.2009



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.

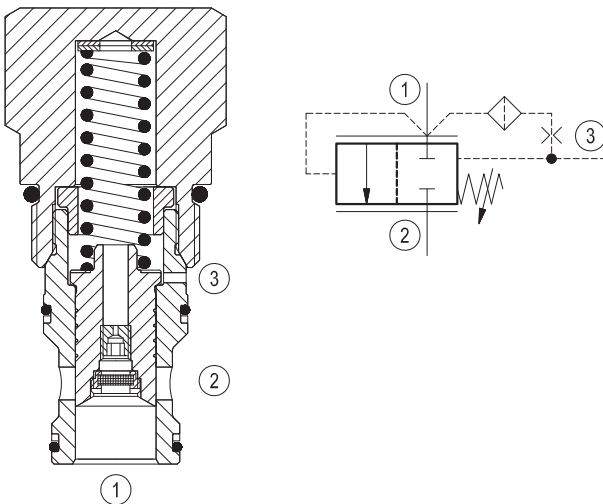
Technical data

Max. operating pressure	350 bar (5000 psi)
Flow range	8 - 200 l/min (2 - 53 gpm)
Max. internal leakage ¹⁾	200 cm ³ /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)
Standard internal orifice	0.6 mm
Weight ²⁾	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 ³⁾	Code: RG16A9010520100 material no: R901111388
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 position	No restrictions
Other Technical Data	See data sheet 18350-50

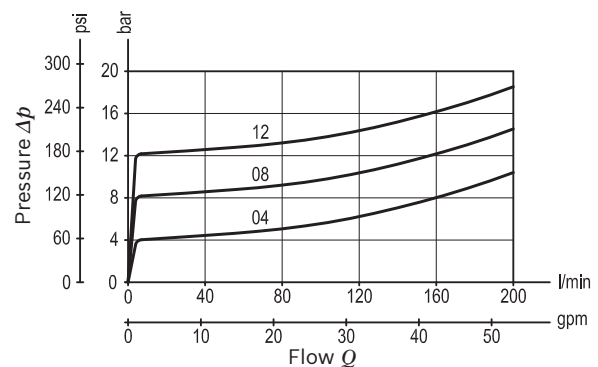
1) Measured at 200 bar (2900 psi)

2) Standard version X=00 type

3) Only external seals for 10 valves



Characteristic curve



Ordering code

04.84.03	X	27	Z	00	*
----------	---	----	---	----	---

Logic element,
flow and pressure control, with
internal pilot

Adjustments

00 Fixed setting

03 Leakproof hex. socket screw

27 Common cavity, Size 16

Series 0/A to L
unchanged performances and dimensions

Version and options standard

SPRINGS				
Std. setting bar (psi)	Pressure increase bar/turn (psi/ turn)	Bias spring bar (psi)		
for X= 00	04 -	-	4 (60) ± 20%	
	08 -	-	8 (115) ± 15%	
	12 -	-	12 (175) ± 10%	
for X= 03	00	4 (60)	1.5 (22)	4-12 (60-175)

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

Preferred types

Type	Material number	Type	Material number
048403002704000	R901109868		
048403002708000	R901109869		
048403002712000	R901109870		
048403032700000	R901109871		

Dimensions

