

Logic element, pressure compensator
with sealed piston option for load holding application
Common cavity, Size 12

VLSQ-12A

04.84.05 - X - 57 - Z

RE 18321-78

Edition: 11.2020

Replaces: 03.2016

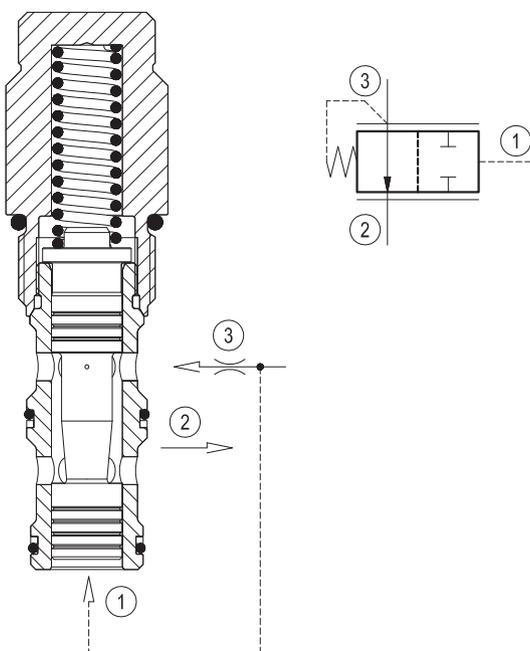


Technical data	
Max. operating pressure	350 bar (5000 psi)
Max. Flow	70 l/min. (18 gpm)
Flow maintenance	± 10%
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	81 - 95 Nm (60 - 70 ft-lbs)
Weight	0.4 kg (0.88 lbs)
Cavity	CA-12A-3N (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ¹⁾	Code: RG12A3010520100 material no: R930000941
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

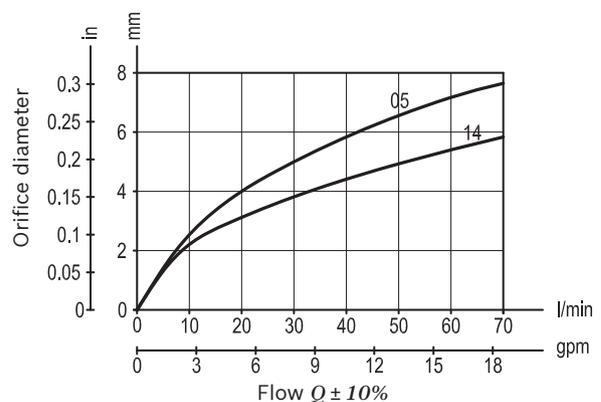
Description

Flow is normally allowed from 3 to 2. When pilot pressure at 1 rises above the combined pressure of the spring bias, plus pressure at 3, the valve shifts to block flow. The valve may be used in switching or compensation type applications, and will maintain a constant pressure drop across a fixed (or variable) orifice upstream of 3 when installed and piloted per the diagram above.

1) Only external seals for 10 valves



Characteristic curve



Ordering code

04.84.05	X	57	Z	00	*
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Logic element, pressure compensator with sealed piston option for load holding application

Series 0/A to L unchanged performances and dimensions

Version and options standard

Adjustments

- 00** fixed setting w/o sealed piston
- 10** fixed setting with sealed piston recommended in case of load holding function in port 1

SPRINGS	
	Bias spring bar (psi)
05	5.5 (80) ± 20%
14	14 (203) ± 15%

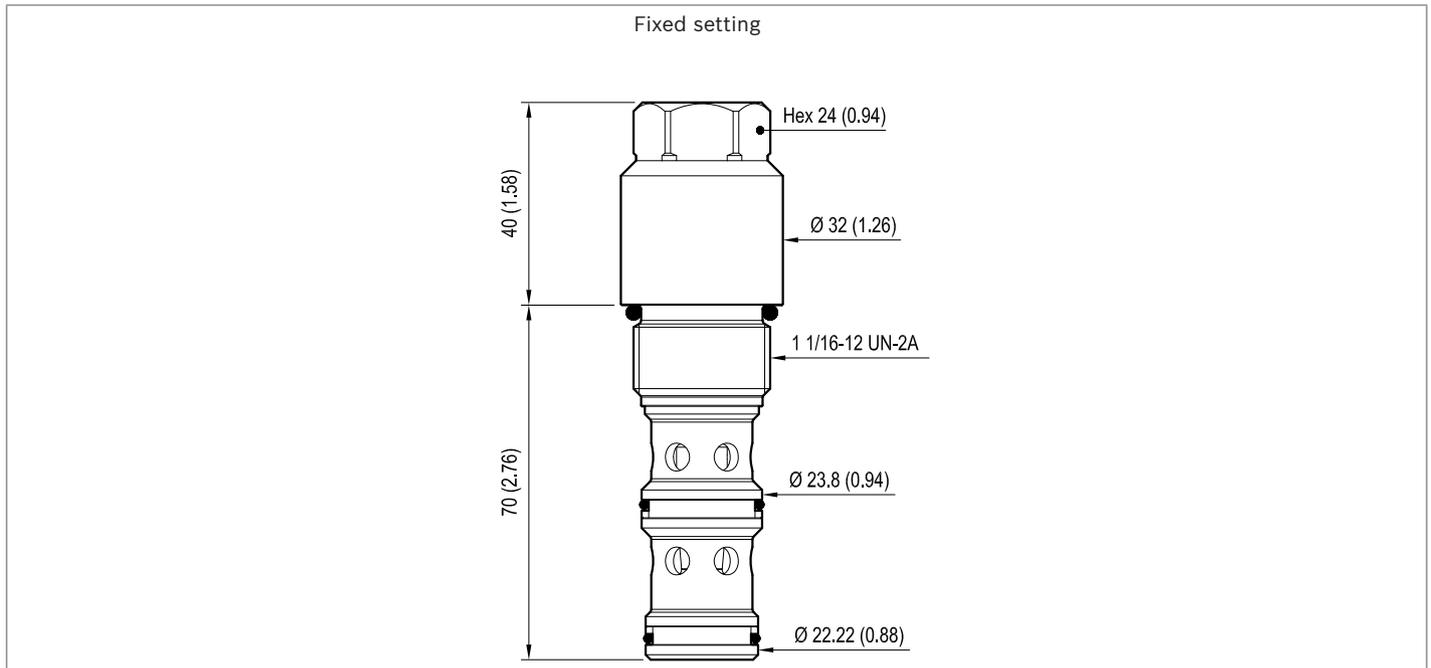
57 Common cavity, Size 12

Preferred types

Type	Material number
04840500570500A	R901109877
048405005714000	R930005661

Type	Material number
048405105714000	R930080470

Dimensions



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