

Logic element, pressure compensator
combination type
Common cavity, Size 16

VCSQ-16A

04.84.06 - X - 27 - Z

RE 18321-82

Edition: 03.2016

Replaces: 10.2010



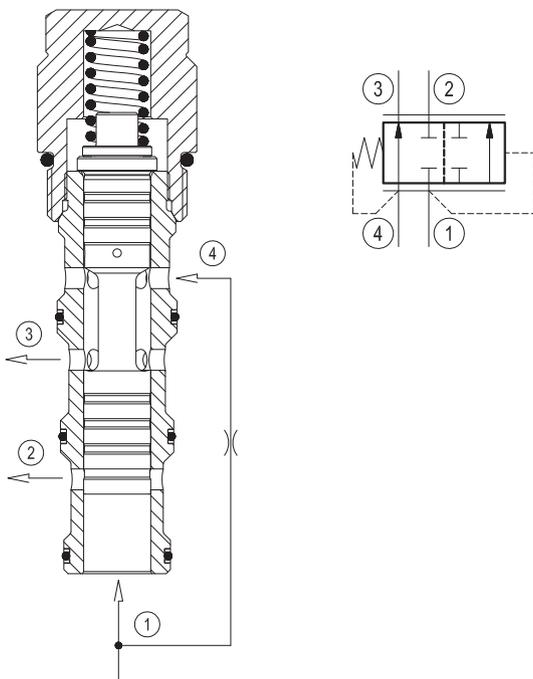
Technical data

Max. operating pressure	350 bar (5000 psi)
Max. flow	200 l/min. (53 gpm)
Max. priority flow	120 l/min. (32 gpm)
Flow maintenance	± 10%
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	108 - 122 Nm (80 - 90 ft-lbs)
Weight	0.75 kg (1.65 lbs)
Cavity	CA-16A-4N (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ¹⁾	Code: RG16A4010530100 material no: R930000973
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

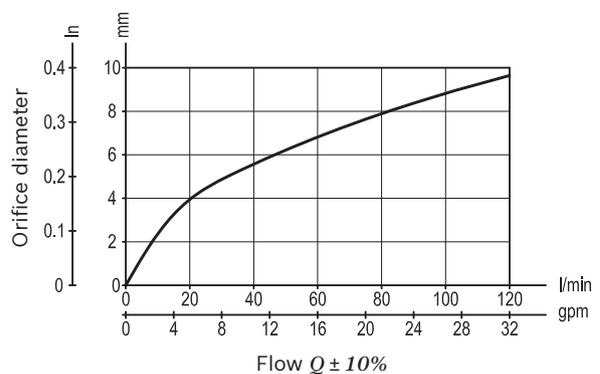
Description

Flow is normally allowed from 4 to 3. When pilot pressure at 1 rises above the combined pressure of the spring bias, plus pressure at 4, the valve shifts to block flow between 3 and 4, while diverting flow from 1 to 2. A constant pressure drop is maintained across a fixed (or variable) orifice upstream of 4 when installed and piloted per the diagram above. In this case, flow priority is given to 3, with flow in excess of the orifice differential requirement being by-passed to 2.

1) Only external seals for 10 valves



Characteristic curve



Ordering code

04.84.06	X	27	Z	00	*
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Logic element, pressure compensator combination type

Adjustments
00 Fixed setting

27 Common cavity, Size 16

Series 0/A to L
 unchanged performances and dimensions

Version and options standard

SPRINGS	
	Bias spring bar (psi)
06	6 (90) ± 20%

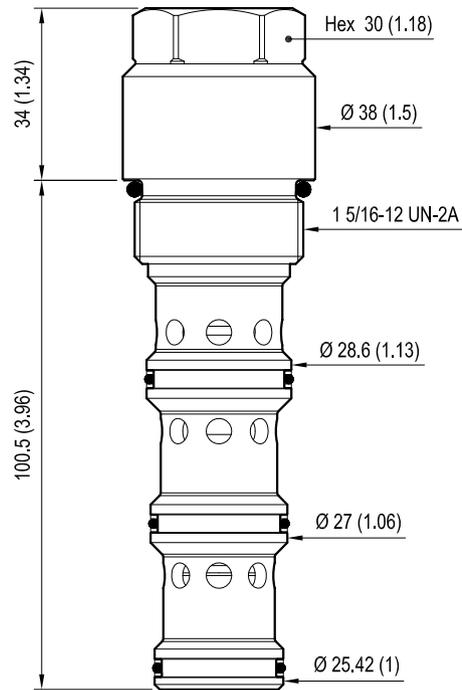
Preferred types

Type	Material number
048406002706000	R901162013

Type	Material number

Dimensions

Fixed setting



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