

Directional spool type, direct acting, external pilot external vent Common cavity, Size 16

VDSJ-16A

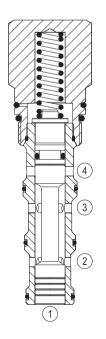
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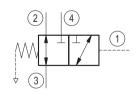
RE 18320-81Edition: 10.2021
Replaces: 03.2016



Description

Flow is allowed bi-directionally between 2 and 3, and blocked at 4 until pressure at 1 rises to overcome the spring bias against the spool. When this bias pressure is surpassed, the spool shifts, allowing bi-directional flow between 3 and 4 while blocking 2. The spring chamber is sealed and vented to atmosphere, allowing consistent shifting with only spring bias pressure independent of conditions at 2 or 3.

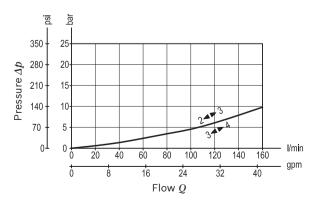


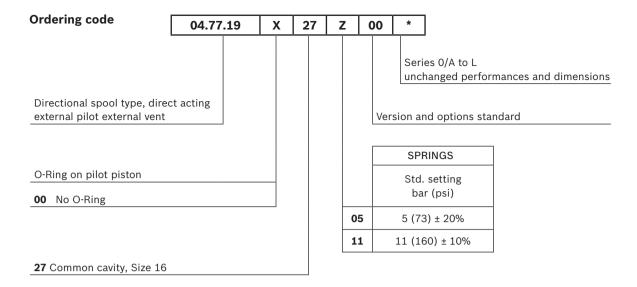


Technical data	
Max. operating pressure	350 bar (5000 psi)
Max. flow	160 l/min. (43 gpm)
Max. internal leakage ¹⁾	80 cm ³ /min. (5 cu.in./min.)
Pilot displacement volume	1.61 cm ³ (0.1 cu.in)
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	108 - 122 Nm (80 - 90 ft-lbs)
Weight	0.74 kg (1.63 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 ²⁾	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 position	No restrictions
Other Technical Data	See data sheet 18350-50
	0 ')

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

Characteristic curve



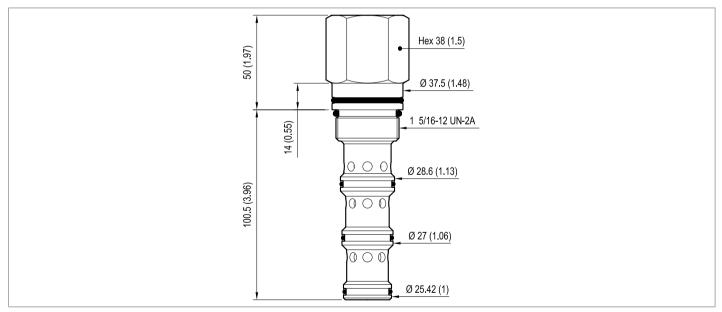


Preferred types

Туре	Material number
04771900270500A	R930006976
04771900271100A	R930006977

Туре	Material number

Dimensions



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