

# Directional spool type, direct acting, external pilot internal drain Common cavity, Size 16

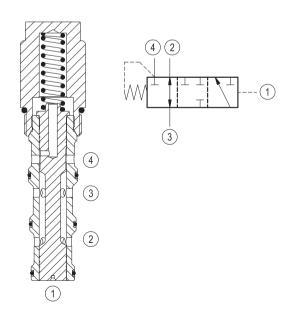
VDSH-16A 04.77.25 - X - 27 - Z

**RE 18320-85**Edition: 03.2016
Replaces: 10.2009



# **Description**

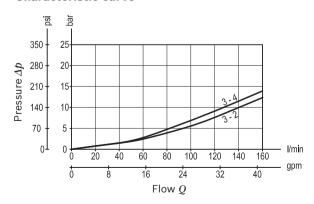
Flow is allowed bi-directionally between 2 and 3, and blocked at 4 until pressure at 1 rises to overcome the spring bias against the spool. When this bias pressure is surpassed, the spool shifts, allowing bi-directional flow from 3 to 4 while blocking 2. The spring chamber is drained to 4, thus any pressure at 4 is additive to the spring bias and pilot pressure required for shifting.

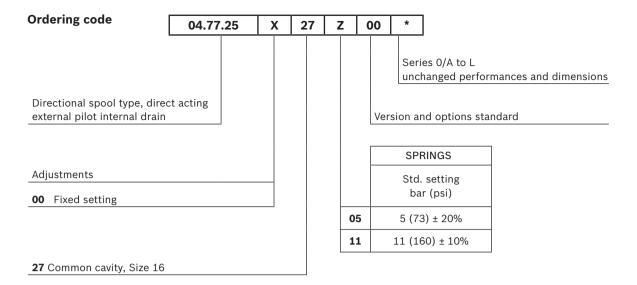


Technical data	
Max. operating pressure	350 bar (5000 psi)
Max. flow	160 l/min. (43 gpm)
Max. internal leakage <sup>1)</sup>	160 cm <sup>3</sup> /min. (10 cu.in./min.)
Pilot displacement volume	1.61 cm <sup>3</sup> (0.1 cu.in.)
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	108 - 122 Nm (80 - 90 ft-lbs)
Weight	0.7 kg (1.54 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 <sup>2)</sup>	Code: RG16A4010530100
	material no: R930000973
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /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) Only external seals for 10 valves

#### **Characteristic curve**



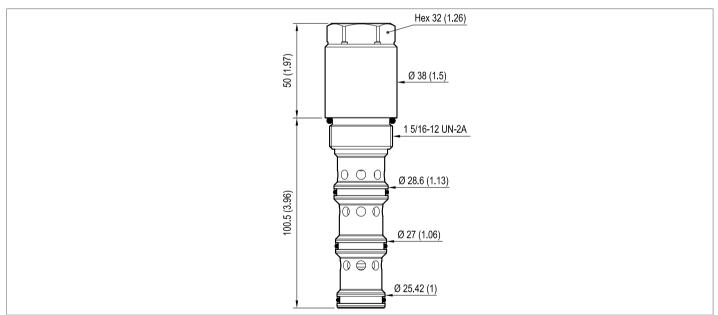


#### **Preferred types**

Туре	Material number
047725002705000	R930000971
047725002711000	R930000972

Туре	Material number

### **Dimensions**



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