

Directional spool type, direct acting, external pilot external vent Common cavity, Size 12

VDSC-12A 04.77.21 - X - 57 - Z

RE 18320-91Edition: 03.2016
Replaces: 10.2013

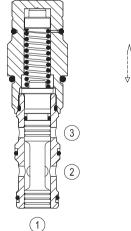


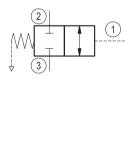
Description

Flow is blocked bi-directionally at 2 and 3 until pressure at 1 rises to overcome the spring bias against the spool. When this bias pressure is surpassed, the spool shifts, allowing flow from 2 to 3, or 3 to 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.

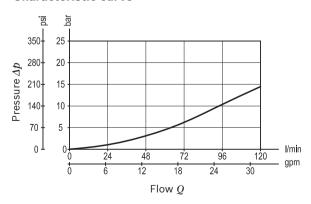
Technical data	
Max. operating pressure	350 bar (5000 psi)
Max. flow	120 l/min. (32 gpm)
Max. internal leakage ¹⁾	160 cm ³ /min. (10 cu.in./min.)
Pilot displacement volume	1.12 cm ³ (0.07 cu.in.)
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	81 - 95 Nm (60 - 70 ft-lbs)
Weight	0.35 kg (0.77 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 ²⁾	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 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

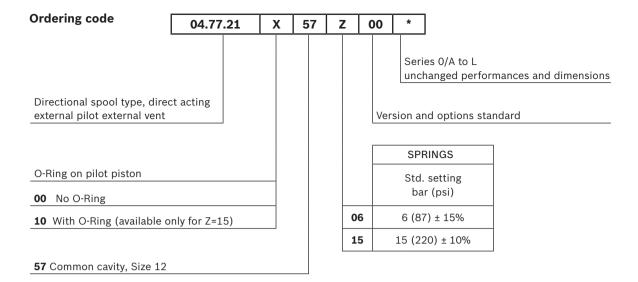




Characteristic curve





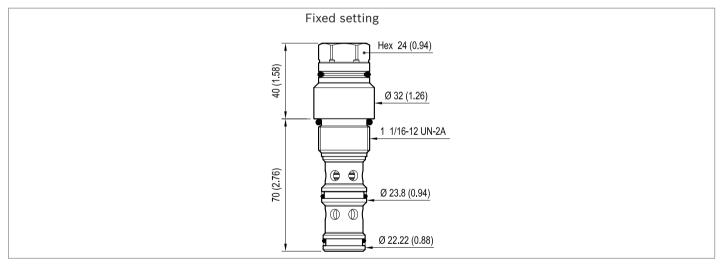


Preferred types

Туре	Material number
047721005706000	R930008294
04772100571500A	R930006701
047721105715000	R930008083

Туре	Material number

Dimensions



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