

Directional spool type, direct acting,
external pilot internal drain
Common cavity, Size 10

VDSA-10A-6

04.77.29 - X - 85 - Z

RE 18320-73

Edition: 03.2016

Replaces: 09.2009



Technical data

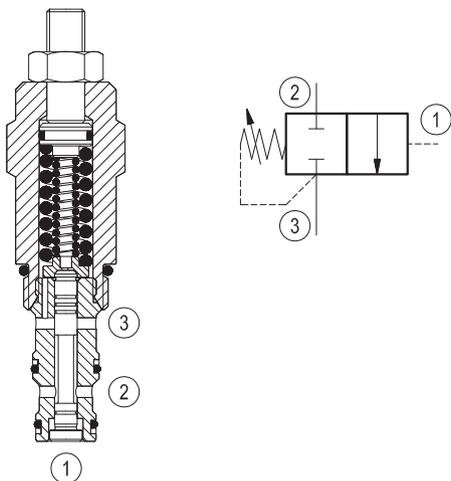
Max. operating pressure	350 bar (5000 psi)
Max. flow	30 l/min (8 gpm)
Max. internal leakage ¹⁾	10 cm ³ /min. (0.6 cu.in./min.)
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	41 - 47 Nm (30 - 35 ft-lbs)
Weight	0.27 kg (0.6 lbs)
Cavity	CA-10A-3N (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ²⁾	Code: RG10A3010520100 material no: R901111369
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

Description

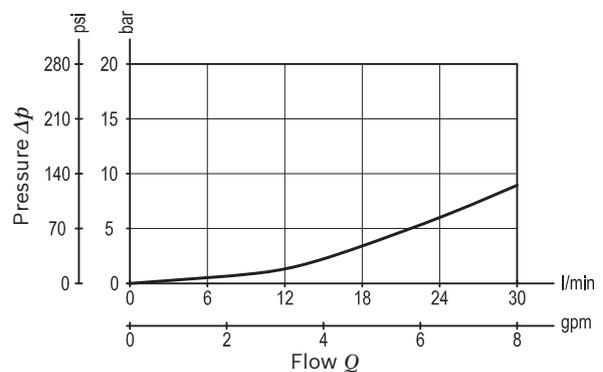
Flow is blocked from 2 to 3 until the pressure at 1 rises to the selected spring setting. Upon reaching this pressure, the spool shifts upward, allowing flow from 2 to 3 until pressure at 1 drops below the set point. The spring chamber is drained to 3, thus any pressure at 3 is additive to the spring setting. VDSA-10A-6 is especially designed for application requiring high valve of shifting pressure.

1) Measured at 200 bar (2900 psi)

2) Only external seals for 10 valves



Characteristic curve



Ordering code

04.77.29	X	85	Z	00	*
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Directional spool type, direct acting
external pilot internal drain

Series 0/A to L
unchanged performances and dimensions

Version and options standard

Adjustments

03 Leakproof hex. socket screw

85 Common cavity, Size 10

SPRINGS

	Adj. press. range bar (psi)	Pressure increase bar/turn (psi/turn)	Std. setting bar (psi)
05	10-70 (145-1000)	8 (116)	40 (580)
10	35-140 (500-2000)	20 (290)	90 (1300)
20	70-210 (1000-3000)	39 (566)	140 (2000)
35	140-350 (2000-5000)	80 (1160)	210 (3000)

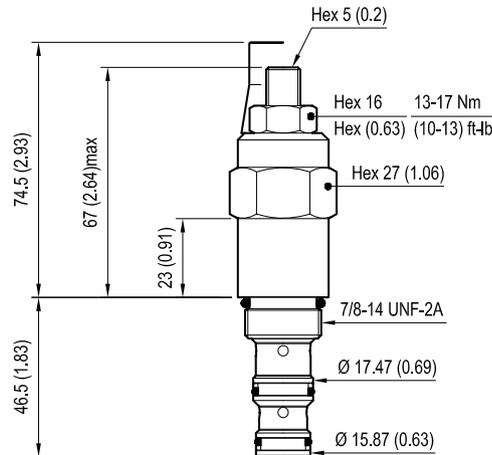
Note: Special settings available. Contact factory authorized representative for ordering code.

Preferred types

Type	Material number
047729038505000	R901109943
047729038510000	R901109945
047729038520000	R901109947
047729038535000	R901109949

Type	Material number

Dimensions



OPTION
 Tamper resistant cap
 ordering code: 11.04.23.004
 R930001411

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