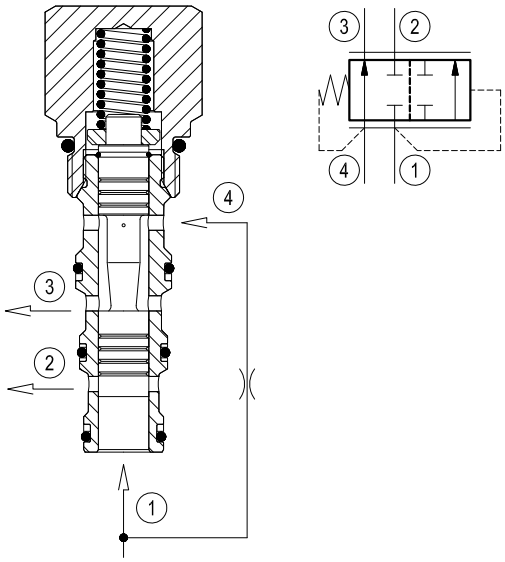
Rexroth
Bosch Group

RE 18321-80/01.10
Replaces: RE 00162-02/01.06

Logic element, pressure compensator combination type

Common cavity, Size 10

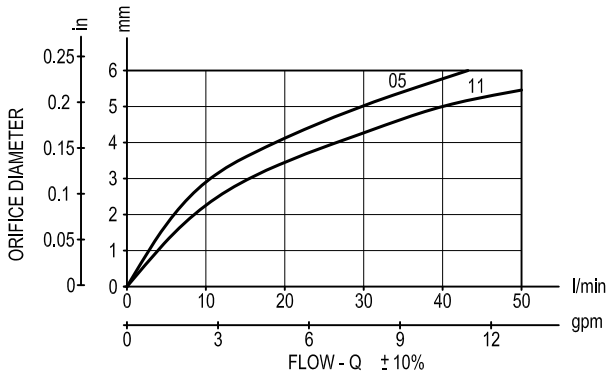
VCSQ-10A 04.84.06 - X - 85 - Z



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.

Performance

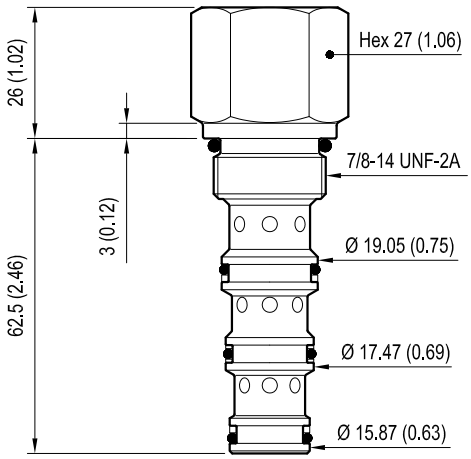


Technical data

Max. operating pressure	bar (psi)	350 (5000)
Max. intel flow	l/min. (gpm)	60 (16)
Max. priority flow	l/min. (gpm)	40 (11)
Flow maintenance		±10%
Fluid temperature range	°C (°F)	-30 to 100 (-22 to 212)
Installation torque	Nm (ft-lbs)	41-47 (30-35)
Weight	kg (lbs)	0.14 (0.31)
Cavity		CA-10A-4N see data sheet RE 18325-70
Seal kit (*)	code material no.	RG10A4010530100 R901111373
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm^2/s (cSt)
Filtration		Nominal value max. 10µm (NAS 8) ISO 4406 19/17/14
Installation		No restrictions
Other Technical Data		See data sheet RE 18350-50

(*) Only external seals for 10 valves

Dimensions



Ordering code

04.84.06	X	85	Z	00	*

Series 0/A to L
unchanged performances and dimensions

Logic element, pressure compensator combination type

Version and options standard

Adjustments

= 00 Fixed setting

Common cavity, Size 10

	SPRINGS
	Bias spring bar (psi)
= 05	5.5 (80) ±20%
= 11	11.5 (167) ±15%

Type	Material number
048406008505000	R901109385
048406008511000	R901109386

Type	Material number

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