

Flow control, 3-way pressure compensated, combination type fully adjustable Common cavity, Size 10

VRFD-10A

04.04.02 - X - 85 - Z

RE 18321-20

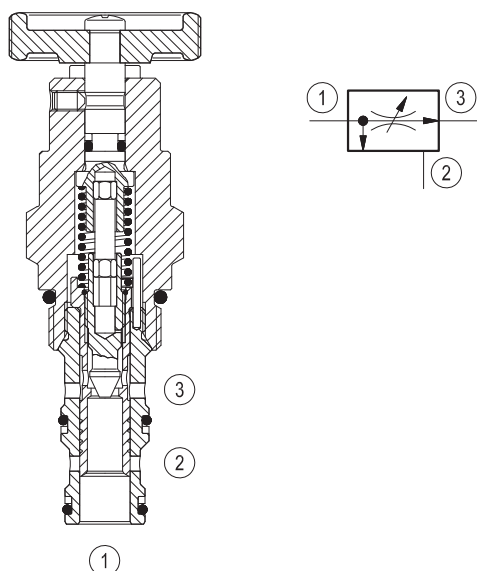
Edition: 03.2016

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Description

A constant flow rate, regardless of system pressures, is established from 1 to 3 while a minimum pressure differential of 14 bar (200 psi) exists between the two ports. Input flow supplied to 1 in excess of the regulated output at 3 is by-passed to 2. Output flow can be varied from closed to the nominal maximum rating for the valve. Flow from 3 to 1 is limited by the diameter of the selected control orifice and is not pressure compensated. Flow from 2 to 1 is not permitted.



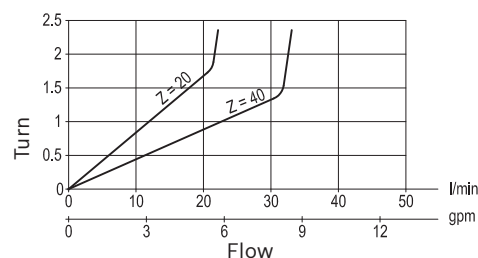
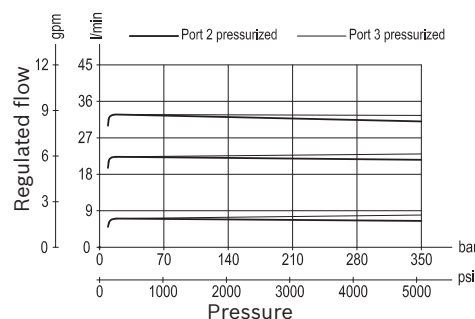
Technical data

Pressure min. - max.	14 - 350 bar (200 - 5000 psi)
Max. inlet flow	60 l/min. (16 gpm)
Flow range	see "Regulated flow range" table
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	41 - 47 Nm (30 - 35 ft-lbs)
Weight ¹⁾	0.26 kg (0.57 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	No restrictions
Other Technical Data	See data sheet 18350-50

1) Standard version X=04 type

2) Only external seals for 10 valves

Characteristic curve



Ordering code

04.04.02	X	85	Z	00	*
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Flow control, 3-way pressure compensated
combination type fully adjustable

Series 0/A to L
unchanged performances and dimensions

Version and options standard

Adjustments

04 Handknob

40 Calibrated handknob

Regulated flow range l/min. (gpm)	
20	0.1-20 (0.03-5.28)
40	0.2-30 (0.05-7.93)

85 Common cavity, Size 10

Preferred types

Type	Material number
04040204852000A	R930055365
04040204854000A	R930055362
04040240852000A	R930055366
04040240854000A	R930055363

Type	Material number

Dimensions

