

Flow divider and combiner

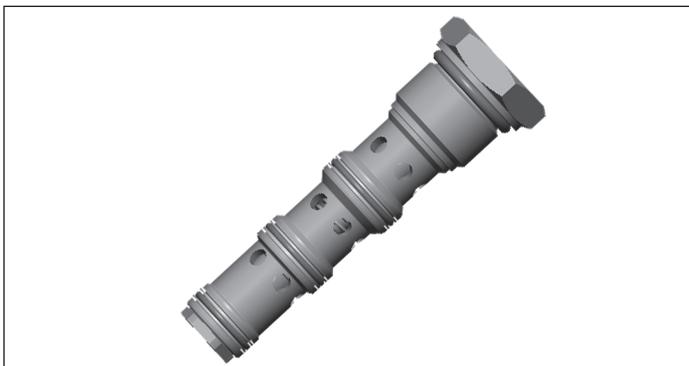
Common cavity, Size 12

DRFN-12A

04.05.05 - X - 57 - Z

RE 18321-33

Edition: 03.2021



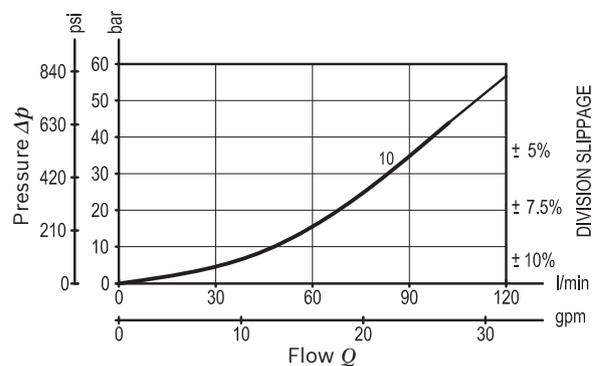
Technical data	
Pressure min. - max.	10 - 350 bar (145 - 5000 psi)
Flow range	see "Range of total flow" table
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	81 - 95 Nm (60 - 70 ft-lbs)
Division ratio	50% - 50%
Weight	0.28 kg (0.62 lbs)
MTTFD	150 years see RE 18350-51
Cavity	CA-12A-4N (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ¹⁾	Code: RG12A4010530100 material no: R930001660
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) Only external seals for 10 valves

Slippage (tolerance) from theoretical divided flows: ±5% to ±10%, depending from inlet flow (see diagram).

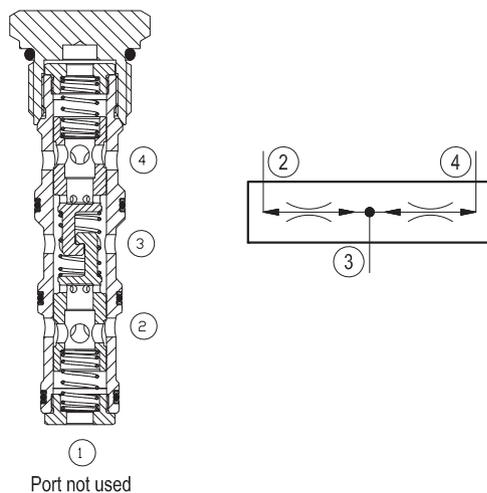
N.B. Slippage is lowest toward upper limit of nominal range.

Characteristic curve



Description

Input flow at 3 will be divided and output equally to 2 and 4 independent of system pressures. Flow input at 2 and 4 will be combined and output at 3. Should either 2 or 4 become blocked in flow division mode, approximately 5% of the input flow will be transmitted to the open port.



Ordering code

04.05.05	X	57	Z	00	*
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Flow divider and combiner

Division ratio

00 50% port 2 - 50% port 4

57 Common cavity, Size 12

Series 0/A to L
unchanged performances and dimensions

Version and options standard

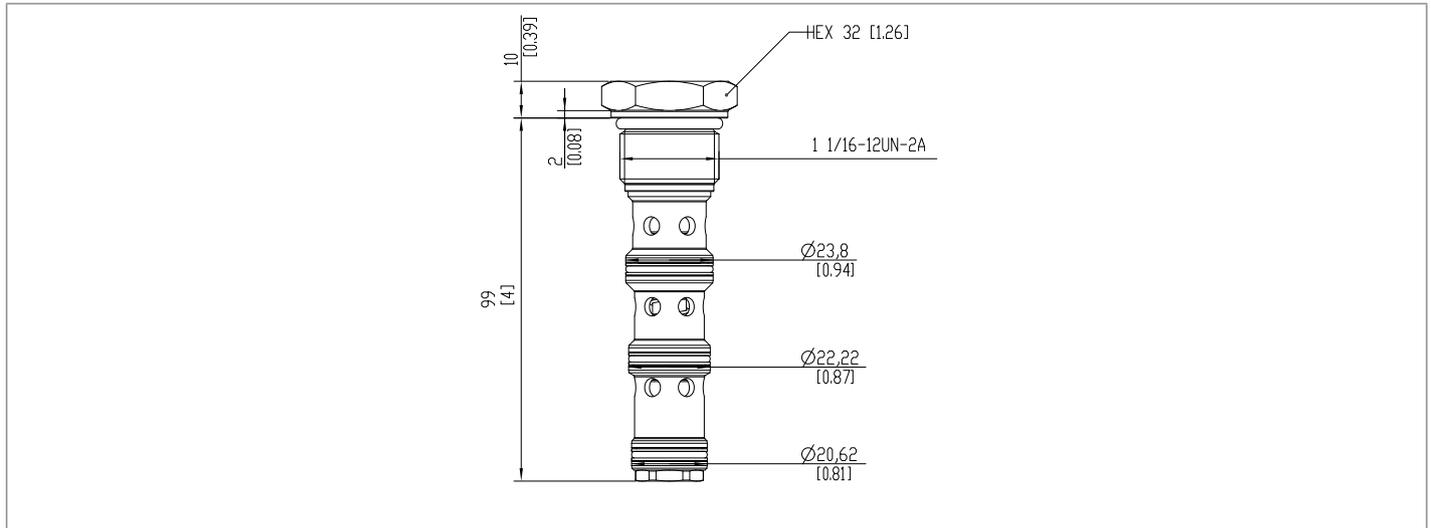
	Regulated flow range l/min. (gpm)
10	40 - 105 (10.57 - 27.74)

Preferred types

Type	Material number
040505005710000	R930081461

Type	Material number

Dimensions



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