

Flow divider and combiner

Common cavity, Size 16

DRFN-16A

04.05.02 - X - 27 - Z

RE 18321-25

Edition: 06.2021

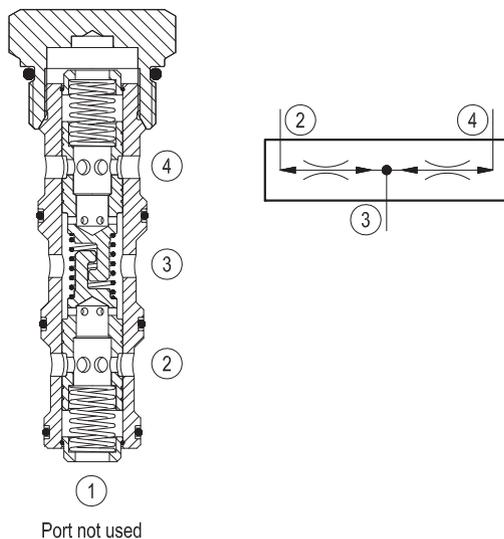
Replaces: 01.2018



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	108 - 122 Nm (80 - 90 ft-lbs)
Division ratio	50% - 50% or 33% - 67%
Weight	0.41 kg (0.9 lbs)
Cavity	CA-16A-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: RG16A4010530100 material no: R930000973
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

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.

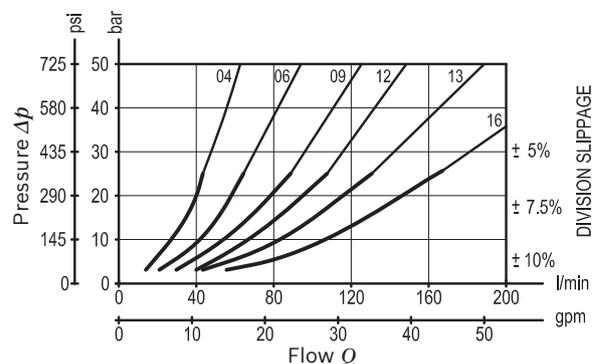


1) Only external seals for 10 valves

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



Indicated values refer to division mode only

Ordering code

04.05.02	X	27	Z	00	*
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Flow divider and combiner

Series 0/A to L
unchanged performances and dimensions

Version and options standard

Division ratio

00 50% port 2 - 50% port 4**33¹⁾** 33% port 2 - 67% port 4**27** Common cavity, Size 16Regulated flow range
l/min. (gpm)

04	15 - 44 (3.96 - 11.63)
06	22 - 66 (5.81 - 17.44)
09	30 - 80 (7.93 - 21.14)
12¹⁾	35 - 110 (9.25 - 29.06)
13	44 - 132 (11.63 - 34.88)
16	55 - 165 (14.53 - 43.59)

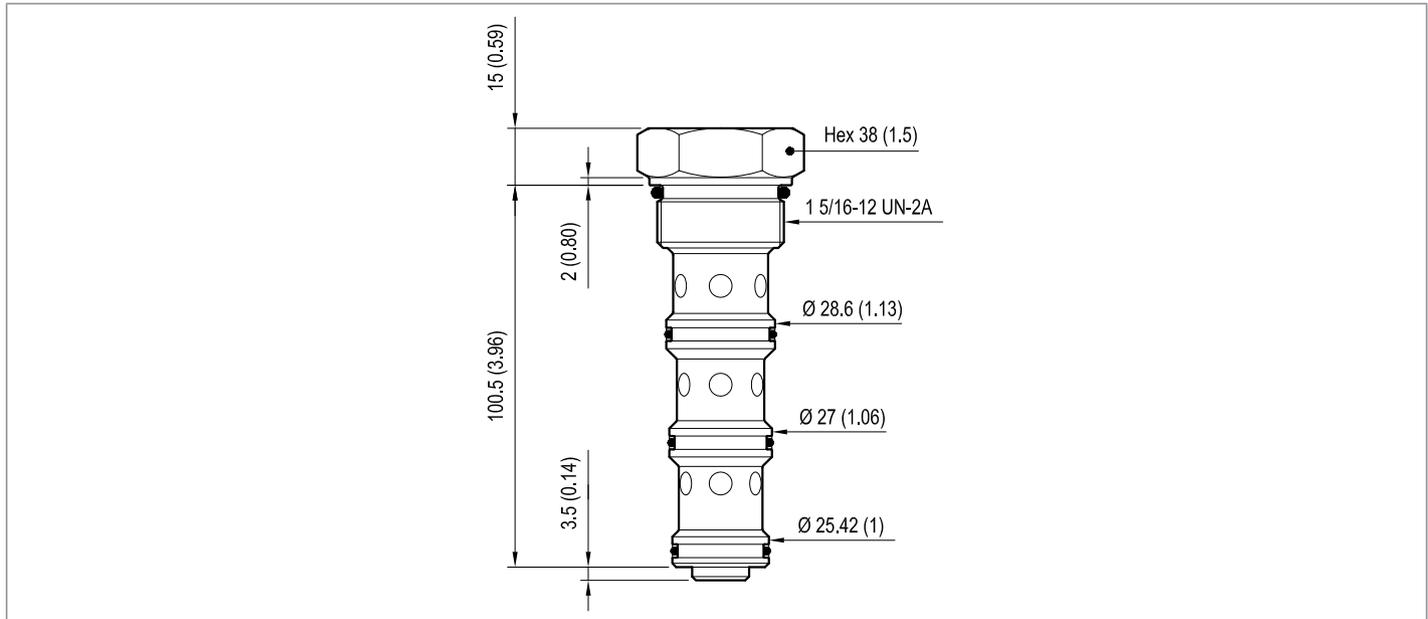
¹⁾ Only version available with division ratio 33% - 67%

Preferred types

Type	Material number
04050200270400A	R930053926
04050200270600A	R930053927
04050200270900A	R930053928
04050200271300A	R930053929

Type	Material number
04050200271600A	R930053931
040502332712000	R930064598

Dimensions



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