

Flow divider and combiner

Common cavity, Size 16

DRFN-16A

04.05.02 - X - 27 - Z

RE 18321-25

Edition: 06.2021

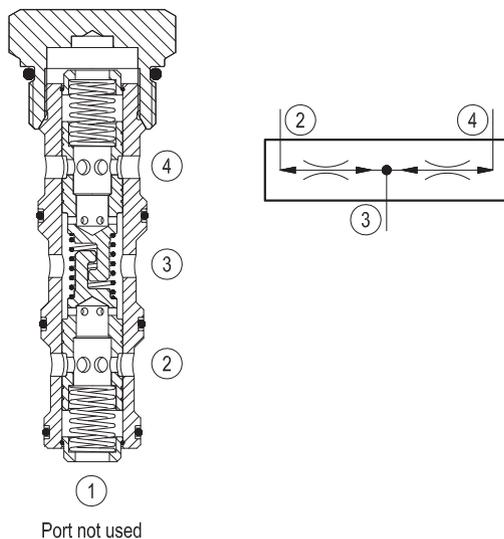
Replaces: 01.2018



| 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.

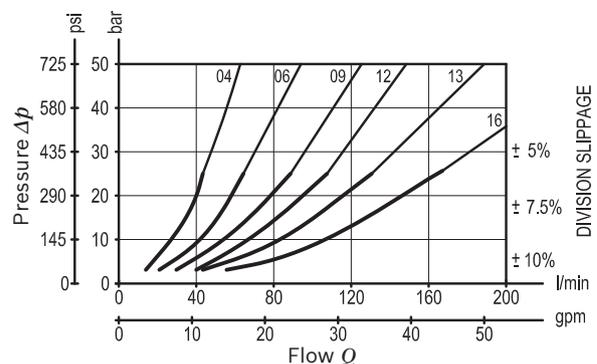


1) Only external seals for 10 valves

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 | * |
|-----------------|----------|-----------|----------|-----------|----------|

Flow divider and combiner

Division ratio

00 50% port 2 - 50% port 4

33¹⁾ 33% port 2 - 67% port 4

27 Common cavity, Size 16

Series 0/A to L
unchanged performances and dimensions

Version and options standard

| | Regulated 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) |
| 12 ¹⁾ | 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

