

Flow control, 2-way pressure compensated,
fully adjustable
Common cavity, Size 10

VRFB-10A

04.02.02 - X - 85 - Z

RE 18321-16

Edition: 03.2022

Replaces: 01.2021



Technical data

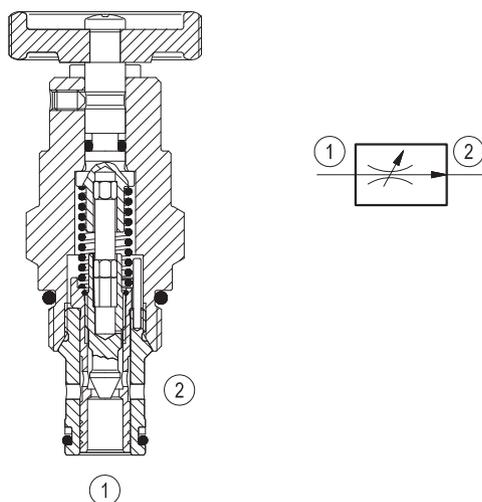
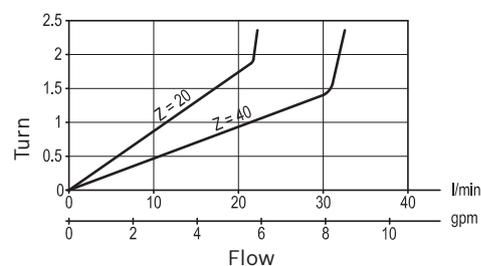
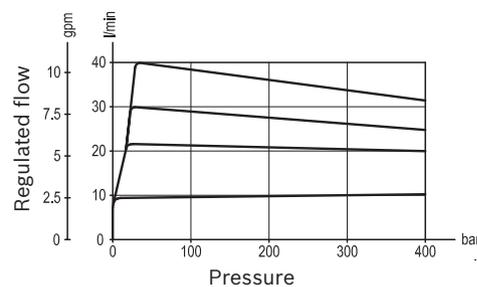
| | |
|---|--|
| Pressure min. - max. | 14 - 350 bar (200 - 5000 psi) |
| Flow range | see "Regulated flow range" table |
| Fluid temperature range | -30 to 100 °C (-22 to 212 °F) |
| Installation torque | 41 - 47 Nm (30 - 35 ft-lbs) |
| Weight ¹⁾ | 0.27 kg (0.59 lbs) |
| Cavity | CA-10A-2N (see data sheet 18325-70) |
| Lines bodies and standard assemblies | Please refer to section "Hydraulic integrated circuit" or consult factory |
| Seal kit ²⁾ | Code: RG10A2010520100 material no: R901111363 |
| 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

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

- 1) Standard version X=04 type
- 2) Only external seals for 10 valves

Characteristic curve



Ordering code

| | | | | | |
|-----------------|----------|-----------|----------|-----------|----------|
| 04.02.02 | X | 85 | Z | 00 | * |
|-----------------|----------|-----------|----------|-----------|----------|

Flow control, 2-way pressure compensated fully adjustable

Series 0/A to L
unchanged performances and dimensions

Version and options standard

Adjustments

03 LLeakproof hex. socket screw

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 |
|-----------------|-----------------|
| 04020204852000A | R930055368 |
| 04020204854000A | R930055371 |
| 04020240852000A | R930055372 |
| 04020240854000A | R930055373 |

| Type | Material number |
|-----------------|-----------------|
| 04020203852000A | R930055370 |
| 04020203854000A | R930055367 |

Dimensions

