

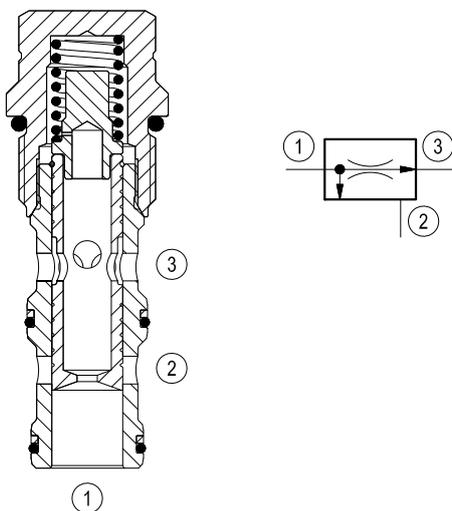
## Flow control, 3-way pressure compensated, combination type fixed setting

Common cavity, Size 12



VRFC-12A-TF

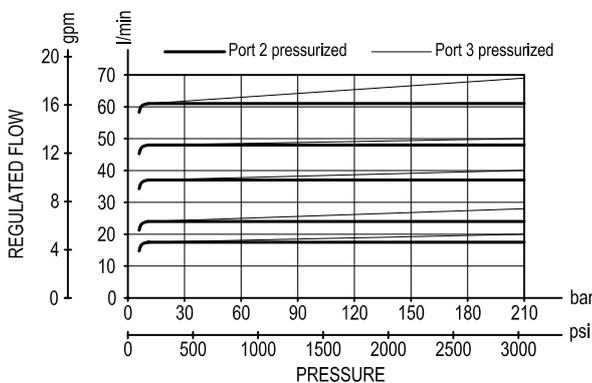
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### Description

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. The valve cannot be adjusted for variable flow output. 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.

### Performance

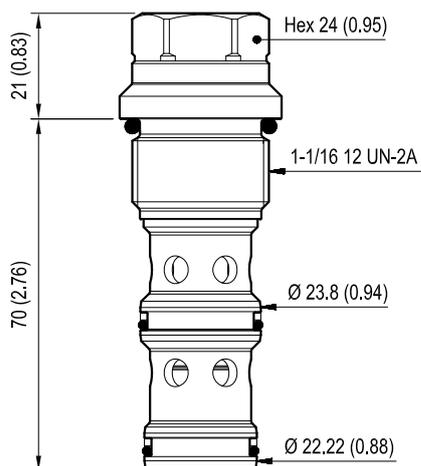


### Technical data

|                         |                      |  |
|-------------------------|----------------------|--|
| Pressure min-max        | bar (psi)            | 14-350 (200-5000)  |
| Max. inlet flow         | l/min. (gpm)         | 130 (34)   |
| Flow range              | l/min. (gpm)         | See "Regulated flow range" table   |
| Fluid temperature range | °C (°F)              | -30 to 100 (-22 to 212)  |
| Installation torque     | Nm (ft-lbs)          | 81-95 (60-70)  |
| Weight                  | kg (lbs)             | 0.26 (0.57)  |
| Cavity                  |                      | CA-12A-3N<br>see data sheet RE 18325-70  |
| Seal kit (*)            | code<br>material no. | RG12A3010520100<br>R930000941  |
| Fluids                  |                      | Mineral-based or synthetics<br>with lubricating properties at<br>viscosities of 10 to 500 mm <sup>2</sup> /s (cSt) |
| Filtration              |                      | Nominal value max. 10µm (NAS 8)<br>ISO 4406 19/17/14   |
| Installation            |                      | No restrictions  |
| Other Technical Data    |                      | See data sheet RE 18350-50   |

(\*) Only external seals for 10 valves

## Dimensions



mm (Inches)

## Ordering code

|             |    |   |    |   |
|-------------|----|---|----|---|
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|-------------|----|---|----|---|

Flow control, 3-way pressure compensated combination type fixed setting

Common cavity, Size 12

Series 0/A to L  
unchanged performances and dimensions

Version and options standard

|      | Regulated flow range<br>l/min. (gpm) ±10% |
|------|---|
| = 15 | 15 (4)                                    |
| = 20 | 20 (5)                                    |
| = 23 | 23 (6)                                    |
| = 26 | 26 (7)                                    |
| = 29 | 29 (8)                                    |
| = 37 | 37 (10)                                   |
| = 41 | 41 (11)                                   |
| = 45 | 45 (12)                                   |
| = 50 | 50 (13)                                   |
| = 58 | 58 (15)                                   |
| = 63 | 63 (17)                                   |

| Type            | Material number |
|-----------------|-----------------|
| 040403005715000 | R930000070      |
| 040403005720000 | R930000071      |
| 040403005723000 | R930000072      |
| 040403005726000 | R930000073      |
| 040403005729000 | R930000074      |
| 040403005737000 | R930000075      |

| Type            | Material number |
|-----------------|-----------------|
| 040403005741000 | R930000076      |
| 040403005745000 | R930000077      |
| 040403005750000 | R930000078      |
| 040403005758000 | R930000079      |
| 040403005763000 | R930000080      |