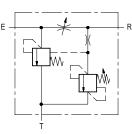


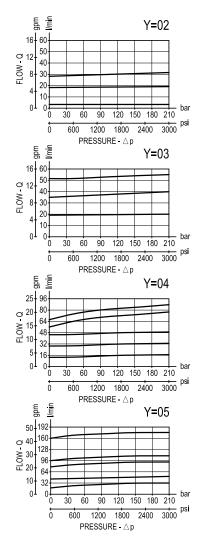
# Flow regulator, 3-way, pressure compensated, with relief



### VRFC3-VS



Performance



0M.33.03 - X - Y

A constant pressure compensated flow rate is established from E to R, while a minimum pressure differential of appr. 5 bar (70 psi) exists between the two ports. Input flow supplied to E in excess of the regulated output at R is bypassed to T. Output flow can be varied from closed to the nominal maximum rating for the valve. The valve module includes a small pilot relief cartridge which senses the pressure of the Regulated flow and diverts it to tank if the maximum allowed pressure is reached. Reverse flow from R to E is limited by the selected opening of the restrictor and is not pressure compensated. Flow from T to E or from T to R is not permitted.

# **Technical data**

Description

#### Hydraulic

| Max. pressure bar (ps   | i) 210 (3000) |  |  |  |  |  |
|---|---------------|--|--|--|--|--|
| Adj. relief valve: range 35-210 bar (500-3000 psi).<br>Standard setting: 210 bar (3000 psi) |               |  |  |  |  |  |
| QE = max inlet flow "E" port (see "Dimensions")   |               |  |  |  |  |  |
| QR = max regulated flow "R" port (see "Dimensions")   |               |  |  |  |  |  |
| Flow range adjustment : 0 - 3 turns   |               |  |  |  |  |  |

#### General

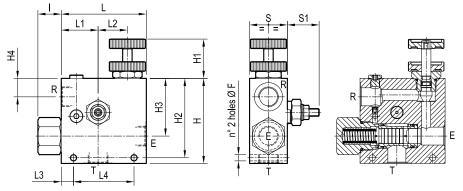
| Manifold material | Aluminium |  |
|-------------------|-----------|--|
|                   |           |  |

Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.

| Weight                  |         | see "Dimensions"                 |
|-------------------------|---------|----------------------------------|
| Fluid temperature range | °C (°F) | between -30 (-22) and +100 (212) |
| Other technical data    |         | see data sheet RE 18350-50       |

Note: for applications outside these parameters, please consult us.

### Dimensions



| 34     | 60     | 75     | 20     | 62     | 65     | 155    | 25     | 46     | 83     | 100    | 40     | 110    | 8.5    | 190 l/min | 280 l/min          | 0.1   | 3.3      |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------------------|-------|----------|
| (1.34) | (2.36) | (2.95) | (0.79) | (2.44) | (2.56) | (6.1)  | (0.98) | (1.81) | (3.27) |        | (1.58) | (4.33) |        |           | 74 gpm             | G1    | (7.3)    |
| 34     | 50     | 88     | 10     | 35     | 44     | 108    | 25     | 23     | 73     | 101    | 40     | 108    | 8.5    | 90 l/min  | 150 l/min          | C 2/4 | 2        |
| (1.34) | (1.97) | (3.47) | (0.39) | (1.38) | (1.73) | (4.25) | (0.98) | (0.91) | (2.87) | (3.98) | (1.58) | (4.25) | (0.34) | 24 gpm    | 40 qpm             |       | (4.4)    |
| 34     | 40     | 64     | 13     | 31     | 39     | 90     | 25     | 17.5   | 60     | 84     | 40     | 90     | 6.5    | 55 l/min  | 90 l/min<br>24 gpm | 0 1/2 | 1.1      |
| (1.34) | (1.58) | (2.52) | (0.51) | (1.22) | (1.54) | (3.54) | (0.98) | (0.69) | (2.36) | (3.31) | (1.58) | (3.54) | (0.26) |           |                    |       |          |
| 34     | 40     | 64     | 13     | 31     | 39     | 90     | 25     | 17.5   | 60     | 84     | 40     | 90     | 6.5    | 30 l/min  | 55 l/min<br>15 gpm | C 2/0 | 1.1      |
| (1.34) | (1.58) | (2.52) | (0.51) | (1.22) | (1.54) | (3.54) | (0.98) | (0.69) | (2.36) | (3.31) | (1.58) | (3.54) | (0.26) | 8 gpm     | 15 gpm             | 0 3/0 | (2.42)   |
| S1     | s      | L4     | L3     | L2     | 14     | 1      | 1      | H4     | НЗ     | H2     | H1     | н      | E      | QR        | QE                 | v     | Weight   |
| 31     | 3      | L4     | LO     | LZ     | LI     | L      | 1      | Π4     | пэ     | пг     | пі     | п      | Г      | QR        | QE                 | I     | kg (lbs) |

mm (inches)

# Ordering code

|                    |                     | OM.3 | 3.03 | X        | <b>Y</b> |            |   |
|--------------------|---------------------|------|------|----------|----------|------------|---|
| Flow re            | egulator,           |      |      |          |          | _          |   |
| 3-way,<br>with rel | pressure compensati | ed   |      |          |          |            |   |
|                    |                     |      |      |          |          |            | 1 |
| Adjustr            | nents               |      | _    |          | F        | Port sizes |   |
|                    |                     |      |      |          | =        | = 02       |   |
| = 70               | Handknob and loc    | knut |      | <b>_</b> | =        | = 03       |   |
|                    |                     |      | П    |          | =        | = 04       |   |
| = 80               | Screw and locknut   | t    |      | 2        | =        | = 05       |   |
|                    |                     |      |      |          |          |            |   |
| = 40               | Graduated handkr    | nob  |      | Ţ        |          |            |   |
|                    |                     |      |      |          |          |            |   |

| Туре            | Material number | Туре            | Material number |
|-----------------|-----------------|-----------------|-----------------|
| 0M330370020000A | R930004260      | 0M330340020000A | R930004251      |
| 0M330370030000A | R930004262      | 0M330340030000A | R930004252      |
| 0M330370040000A | R930004263      | 0M330340040000A | R930004254      |
| 0M330370050000A | R930004264      | 0M330340050000A | R930004255      |
| 0M330380020000A | R930004266      |                 |                 |
| 0M330380030000A | R930004267      |                 |                 |
| 0M330380040000A | R930004268      |                 |                 |
| 0M330380050000A | R930004270      |                 |                 |

E - R - T G 3/8 G 1/2 G 3/4 G 1

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Subject to change.