



## Type VPR/2/RL

### flow control pressure compensated valves

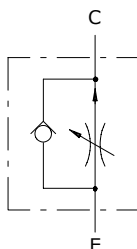
- 2 way
- With reverse free - flow check

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C (104°F) temperature.

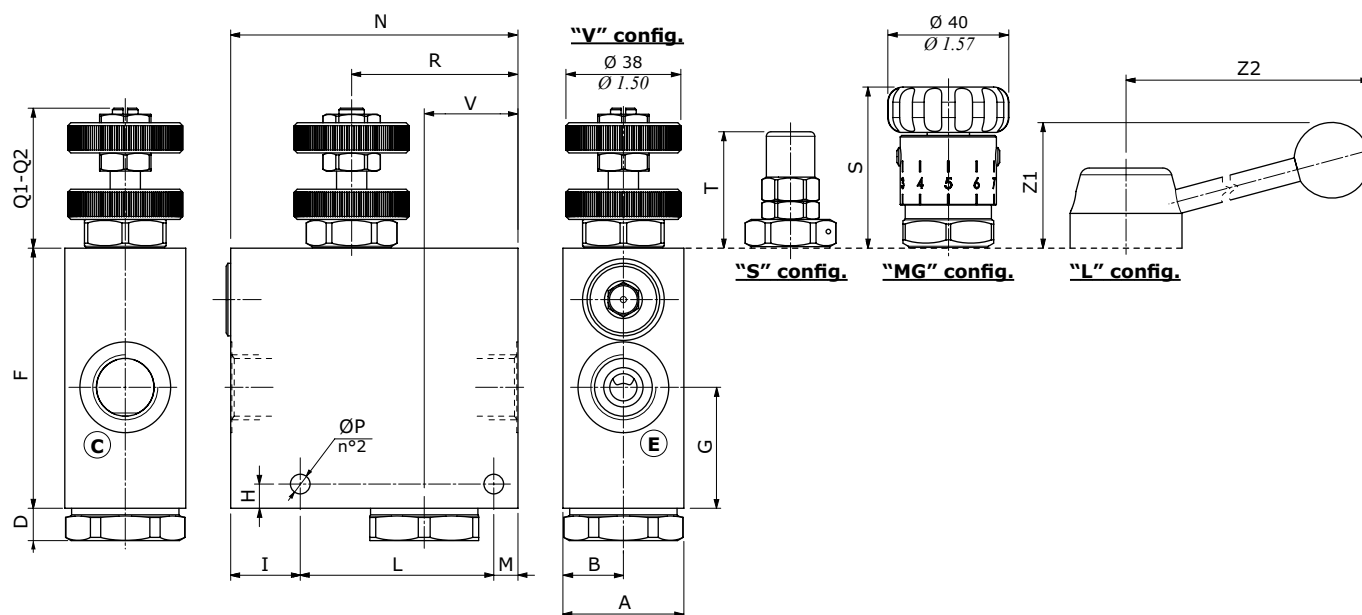
|                                                     | VPR/2/RL 38                                                            | VPR/2/RL 12            | VPR/2/RL 34            | VPR/2/RL 100            |                     |
|-----------------------------------------------------|------------------------------------------------------------------------|------------------------|------------------------|-------------------------|---------------------|
| Nominal flow “ <b>Qc</b> ”                          | 30 l/min (7.9 US gpm)                                                  | 50 l/min (13.2 US gpm) | 90 l/min (23.8 US gpm) | 150 l/min (39.6 US gpm) |                     |
| Nominal flow “ <b>SB</b> ”*                         | 15 l/min (4.0 US gpm)                                                  | 25 l/min (6.6 US gpm)  | 45 l/min (11.9 US gpm) | 75 l/min (19.8 US gpm)  |                     |
| Max. pressure                                       | Aluminium body = 210 bar (3050 psi)<br>Steel body = 350 bar (5100 psi) |                        |                        |                         |                     |
| Fluid                                               | mineral based oil                                                      |                        |                        |                         |                     |
| Viscosity                                           | from 10 to 200 cSt                                                     |                        |                        |                         |                     |
| Max. level of contamination                         | 18/16/13 ISO4406                                                       |                        |                        |                         |                     |
| Fluid temperature                                   | with NBR seals from -20°C (-4°F) to 80°C (176°F)                       |                        |                        |                         |                     |
| Environmental temperature<br>for working conditions | from -40°C (-40°F) to 100°C (212°F)                                    |                        |                        |                         |                     |
| Weight                                              | aluminium                                                              | 1.09 kg (2.40 lb)      | 1.06 kg (2.34 lb)      | 2.15 kg (4.73 lb)       | 5.14 kg (11.33 lb)  |
|                                                     | steel                                                                  | 2.41 kg (5.31 lb)      | 2.43 kg (5.36 lb)      | 4.60 kg (10.14 lb)      | 11.13 kg (24.54 lb) |

NOTE - For different conditions, please contact Walvoil Sales Dpt.

\*"SB" execution (sensibilized adjustment)



### Dimensions



| Valve type   | All ports | Valve type      | All ports |
|--------------|-----------|-----------------|-----------|
| VPR/2/RL 38  | G3/8      | VPR/2/RL 38/SAE | SAE8      |
| VPR/2/RL 12  | G1/2      | VPR/2/RL 12/SAE | SAE10     |
| VPR/2/RL 34  | G3/4      | VPR/2/RL 34/SAE | SAE12     |
| VPR/2/RL 100 | G1"       |                 |           |

Dimensions are in mm-in

| Valve type      | A    | B    | D    | F    | G    | H    | I    | L    | M    | N    | ØP   | Q1   | Q2*  | R    | S     | T    | V    | Z1   | Z2    |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|-------|
| VPR/2/RL 38     | 40   | 20   | 11   | 86   | 40   | 8    | 23   | 64   | 8    | 95   | 6.5  | 46.3 | 52.6 | 55   | 53.3  | 38.5 | 23   | 47.6 | 101.3 |
| VPR/2/RL 38/SAE | 1.57 | 0.78 | 0.43 | 3.38 | 1.57 | 0.31 | 0.90 | 2.51 | 0.31 | 3.74 | 0.25 | 1.82 | 2.07 | 2.16 | 2.10  | 1.51 | 0.91 | 1.87 | 3.99  |
| VPR/2/RL 12     | 40   | 20   | 11   | 86   | 40   | 8    | 23   | 64   | 8    | 95   | 6.5  | 46.3 | 53.1 | 55   | 53.3  | 38.5 | 23   | 47.6 | 101.3 |
| VPR/2/RL 12/SAE | 1.57 | 0.78 | 0.43 | 3.38 | 1.57 | 0.31 | 0.90 | 2.51 | 0.31 | 3.74 | 0.25 | 1.82 | 2.09 | 2.16 | 2.10  | 1.51 | 0.91 | 1.87 | 3.99  |
| VPR/2/RL 34     | 50   | 25   | 10.5 | 100  | 47   | 10   | 38   | 84   | 8    | 130  | 8.5  | 41.5 | 50.5 | 72   | 49.50 | 38.5 | 30   | 50.1 | 103.6 |
| VPR/2/RL 34/SAE | 1.97 | 0.98 | 0.41 | 3.94 | 1.85 | 0.39 | 1.50 | 3.31 | 0.31 | 5.12 | 0.33 | 1.73 | 1.99 | 2.83 | 1.95  | 1.51 | 1.18 | 1.97 | 4.08  |
| VPR/2/RL 100    | 70   | 35   | 13.5 | 140  | 58   | 10   | 50   | 100  | 10   | 160  | 10.5 | 52   | -    | 91   | 52.5  | 41.5 | 37   | 50.5 | 107.3 |
|                 | 2.75 | 0.53 | 0.53 | 5.51 | 2.28 | 0.39 | 1.97 | 3.94 | 0.39 | 1.50 | 0.41 | 2.05 |      | 3.58 | 2.06  | 1.63 | 1.46 | 1.99 | 4.22  |

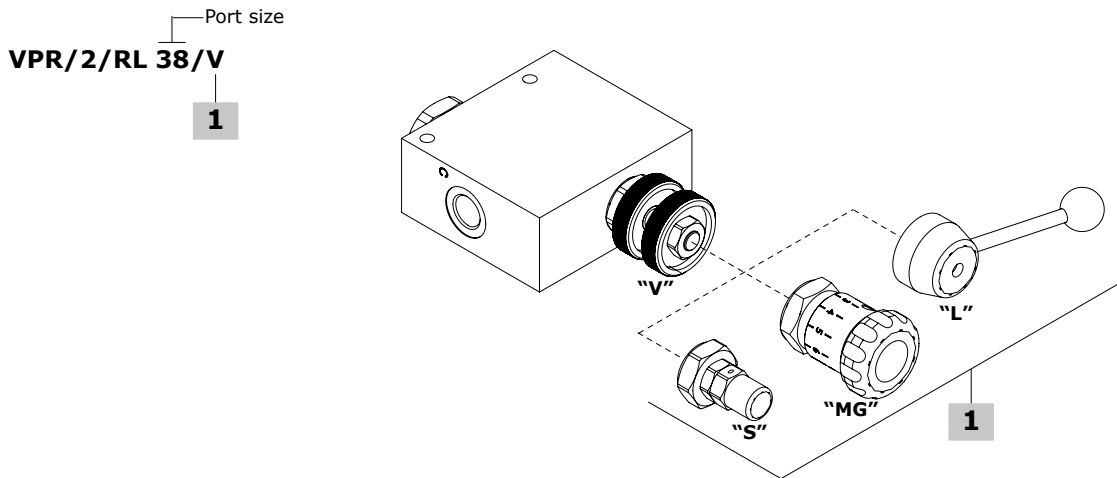
(\*) For "SB" execution (sensibilized adjustment)

## Flow control valves

Flow control pressure compensated valves

VPR/2/RL

### Ordering codes and description composition



#### VPR/2/RL complete valves

| TYPE                                       | CODE       | DESCRIPTION                 |
|--------------------------------------------|------------|-----------------------------|
| <b>Adjustment kit type "V" (handwheel)</b> |            |                             |
| VPR/2/RL 38/V                              | 1611021100 | Aluminium body, G3/8 ports  |
| VPR/2/RL 12/V                              | 1611031100 | Aluminium body, G1/2 ports  |
| VPR/2/RL 34/V                              | 1611041100 | Aluminium body, G3/4 ports  |
| VPR/2/RL 100/V                             | 1611051100 | Aluminium body, G1" ports   |
| VPR/2/RL 38/V/ac                           | 1611022100 | Steel body, G3/8 ports      |
| VPR/2/RL 12/V/ac                           | 1611032100 | Steel body, G1/2 ports      |
| VPR/2/RL 34/V/ac                           | 1611042100 | Steel body, G3/4 ports      |
| VPR/2/RL 100/V/ac                          | 1611052100 | Steel body, G1" ports       |
| VPR/2/RL 38/V/SAE                          | 1611021200 | Aluminium body, SAE8 ports  |
| VPR/2/RL 12/V/SAE                          | 1611031200 | Aluminium body, SAE10 ports |
| VPR/2/RL 34/V/SAE                          | 1611041200 | Aluminium body, SAE12 ports |
| <b>Adjustment kit type "MG" (handknob)</b> |            |                             |
| VPR/2/RL 38/MG                             | 1611021101 | Aluminium body G3/8 ports   |
| VPR/2/RL 12/MG                             | 1611031101 | Aluminium body G1/2 ports   |
| VPR/2/RL 34/MG                             | 1611041101 | Aluminium body G3/4 ports   |
| VPR/2/RL 100/MG                            | 1611051101 | Aluminium body G1" ports    |
| <b>Adjustment kit type "L" (lever)</b>     |            |                             |
| VPR/2/RL 38/L                              | 1611021102 | Aluminium body G3/8 ports   |
| VPR/2/RL 12/L                              | 1611031102 | Aluminium body G1/2 ports   |
| VPR/2/RL 34/L                              | 1611041102 | Aluminium body G3/4 ports   |
| VPR/2/RL 100/L                             | 1611051102 | Aluminium body G1" ports    |

For other steel body configurations, SAE thread and configurations with FPM (Viton) seals, please contact our Sales Dpt.

#### 1 Adjustment kit

| TYPE                          | CODE       | DESCRIPTION                                                        |
|-------------------------------|------------|--------------------------------------------------------------------|
| <b>For VPR/2/RL 38 valve</b>  |            |                                                                    |
| V.SB                          | 5KT6200200 | "V" handwheel type in "SB" configuration (sensibilized adjustment) |
| V                             | 5KT6130200 | "V" handwheel type                                                 |
| MG                            | 5KT6200202 | "MG" handknob type                                                 |
| S                             | 5KT6200211 | "S" screw type                                                     |
| <b>For VPR/2/RL 12 valve</b>  |            |                                                                    |
| V.SB                          | 5KT6130301 | "V" handwheel type in "SB" configuration (sensibilized adjustment) |
| V                             | 5KT6130200 | "V" handwheel type                                                 |
| MG                            | 5KT6200202 | "MG" handknob type                                                 |
| S                             | 5KT6200211 | "S" screw type                                                     |
| <b>For VPR/2/RL 34 valve</b>  |            |                                                                    |
| V                             | 5KT6130401 | "V" handwheel type                                                 |
| MG                            | 5KT6200400 | "MG" handknob type                                                 |
| S                             | 5KT6130404 | "S" screw type                                                     |
| V.SB                          | 5KT6130402 | "V" handwheel type in "SB" configuration (sensibilized adjustment) |
| <b>For VPR/2/RL 100 valve</b> |            |                                                                    |
| V                             | 5KT6340603 | "V" handwheel type                                                 |
| MG                            | 5KT6200605 | "MG" handknob type                                                 |
| S                             | 5KT6200604 | "S" screw type                                                     |

### Rating diagrams

