



Type VPR/2/U flow control pressure compensated valves

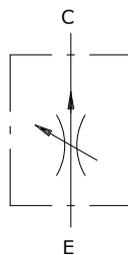
- 2 ways

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

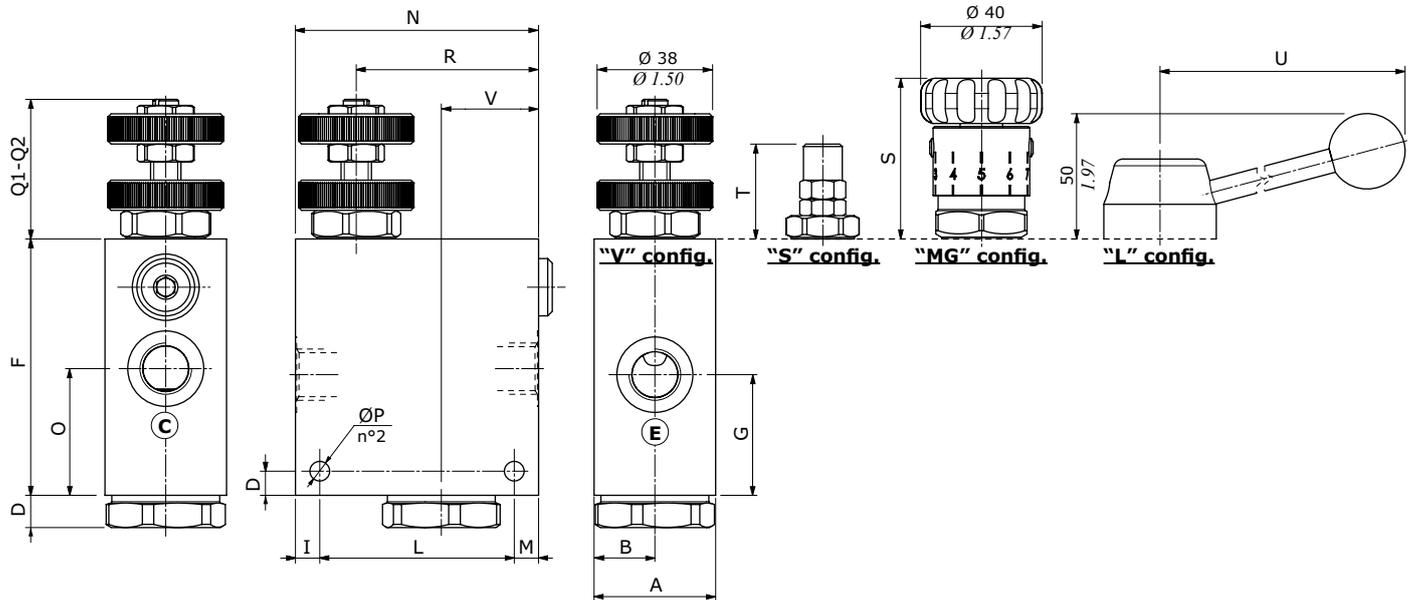
| | VPR/2/U 38 | VPR/2/U 12 | VPR/2/U 34 | VPR/2/U 100 | |
|--|---|------------------------|------------------------|-------------------------|--------------------|
| Nominal flow "Qc" | 30 l/min (7.9 US gpm) | 50 l/min (13.2 US gpm) | 90 l/min (23.8 US gpm) | 150 l/min (39.6 US gpm) | |
| Nominal flow "SB"* | 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) 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) with FPM seals from -20°C (-4°F) to 100°C (212°F) | | | | |
| Environmental temperature for working conditions | from -40°C (-40°F) to 100°C (212°F) | | | | |
| Weight | aluminium | 0.87 kg (1.91 lb) | 0.88 kg (1.94 lb) | 1.74 kg (3.84 lb) | 3.96 kg (8.73 lb) |
| | steel | 1.92 kg (4.23 lb) | 1.99 kg (4.39 lb) | 3.56 kg (7.85 lb) | 7.80 kg (17.20 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/U 38 | G3/8 | VPR/2/U 38/SAE | SAE8 |
| VPR/2/U 12 | G1/2 | VPR/2/U 12/SAE | SAE10 |
| VPR/2/U 34 | G3/4 | | |
| VPR/2/U 100 | G1" | | |

Dimensions are in mm-in

| Valve type | A | B | D | F | G | H | I | L | M | N | O | ØP | Q1 | Q2* | R | S | T | U | V |
|----------------|------|------|------|------|------|-------|-------|------|-------|------|------|-------|------|------|------|------|------|------|-------|
| VPR/2/U 38 | 40 | 20 | 10.7 | 85 | 40 | 8 | 8 | 64 | 8 | 80 | 40.5 | 6.5 | 46.3 | 52.6 | 60 | 53.3 | 38.5 | 50 | 103.3 |
| VPR/2/U 38/SAE | 1.57 | 0.78 | 0.42 | 3.35 | 1.57 | 0.315 | 0.315 | 2.51 | 0.315 | 3.14 | 1.59 | 0.256 | 1.82 | 2.07 | 2.36 | 2.10 | 1.51 | 1.97 | 3.99 |
| VPR/2/U 12 | 40 | 20 | 10.7 | 85 | 40 | 8 | 8 | 64 | 8 | 80 | 42 | 6.5 | 46.3 | 53.1 | 60 | 53.3 | 38.5 | 50 | 103.3 |
| VPR/2/U 12/SAE | 1.57 | 0.78 | 0.42 | 3.35 | 1.57 | 0.315 | 0.315 | 2.51 | 0.315 | 3.14 | 1.65 | 0.256 | 1.82 | 2.09 | 2.36 | 2.10 | 1.51 | 1.97 | 3.99 |
| VPR/2/U 34 | 50 | 25 | 10.7 | 100 | 44 | 10 | 8 | 84 | 8 | 100 | 44 | 8.5 | 41.5 | 50.5 | 72 | 56.5 | 38.5 | 50 | 103.3 |
| | 1.97 | 0.98 | 0.42 | 3.94 | 1.73 | 0.39 | 0.315 | 3.31 | 0.315 | 3.94 | 1.73 | 0.335 | 1.73 | 1.99 | 2.83 | 2.22 | 1.51 | 1.97 | 3.99 |
| VPR/2/U 100 | 70 | 35 | 13.5 | 140 | 58 | 10 | 10 | 100 | 10 | 120 | 58 | 10.5 | 52 | - | 92 | 56.5 | 41.5 | 50 | 107 |
| | 2.75 | 0.53 | 0.53 | 5.51 | 2.28 | 0.394 | 0.394 | 3.94 | 0.39 | 4.72 | 2.28 | 0.413 | 2.05 | | 3.62 | 2.22 | 1.63 | 1.97 | 4.21 |

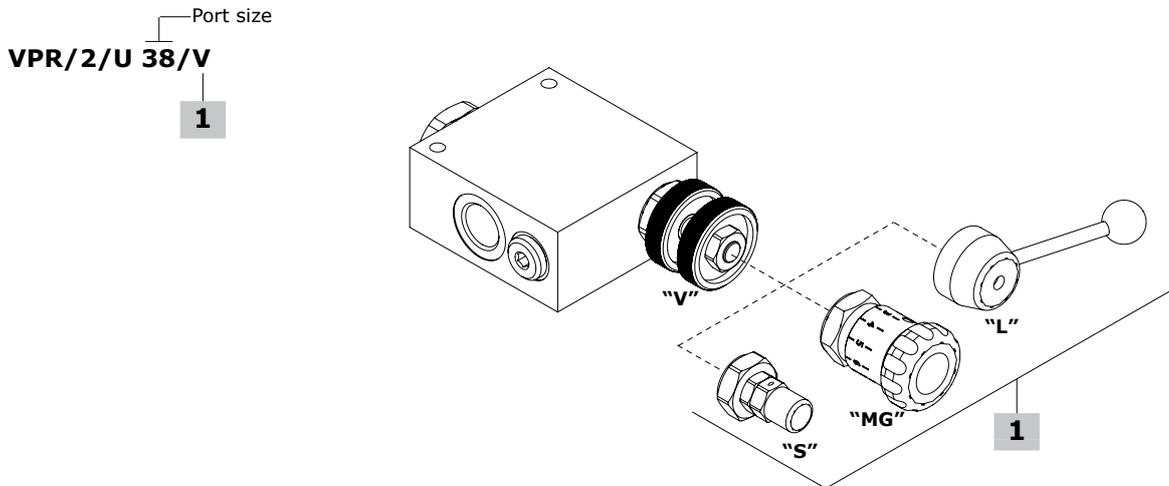
**"SB" execution (sensibilized adjustment)

Flow control valves

Flow control pressure compensated valves

VPR/2/U

Ordering codes and description composition



VPR/2/U complete valves

| TYPE | CODE | DESCRIPTION |
|--|------------|-----------------------------|
| Adjustment kit type "V" (handwheel) | | |
| VPR/2/U 38/V | 1613021100 | Aluminium body, 3/8 ports |
| VPR/2/U 12/V | 1613031100 | Aluminium body, 1/2 ports |
| VPR/2/U 34/V | 1613041100 | Aluminium body, 3/4 ports |
| VPR/2/U 100/V | 1613051100 | Aluminium body, 1" ports |
| VPR/2/U 38/V/ac | 1613022100 | Steel body, 3/8 ports |
| VPR/2/U 12/V/ac | 1613032100 | Steel body, 1/2 ports |
| VPR/2/U 34/V/ac | 1613042100 | Steel body, 3/4 ports |
| VPR/2/U 100/V/ac | 1613052100 | Steel body, 1" ports |
| VPR/2/U 38/V/SAE | 1613021200 | Aluminium body, SAE8 ports |
| VPR/2/U 12/V/SAE | 1613031200 | Aluminium body, SAE10 ports |

Adjustment kit type "MG" (handknob)

| | | |
|---------------------|------------|-----------------------------|
| VPR/2/U 38/MG | 1613021101 | Aluminium body, 3/8 ports |
| VPR/2/U 12/MG | 1613031101 | Aluminium body, 1/2 port |
| VPR/2/U 34/MG | 1613041101 | Aluminium body, 3/4 ports |
| VPR/2/RL 100/MG | 1613051101 | Aluminium body, 1" ports |
| VPR/2/U 12/MG/SAE | 1613031201 | Aluminium body, SAE10 port |
| VPR/2/RL 100/MG/SAE | 1613051200 | Aluminium body, SAE16 ports |

Adjustment kit type "L" (lever)

| | | |
|---------------|------------|---------------------------|
| VPR/2/U 38/L | 1613021102 | Aluminium body, 3/8 ports |
| VPR/2/U 12/L | 1613031102 | Aluminium body, 1/2 ports |
| VPR/2/U 34/L | 1613041102 | Aluminium body, 3/4 ports |
| VPR/2/U 100/L | 1613051102 | Aluminium body, 1" 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 |
|-------------------------------|------------|--|
| For VPR/2/RL 38 valve | | |
| 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 |
| For VPR/2/RL 12 valve | | |
| 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 |
| For VPR/2/RL 34 valve | | |
| 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) |
| For VPR/2/RL 100 valve | | |
| V | 5KT6340603 | "V" handwheel type |
| MG | 5KT6200605 | "MG" handknob type |
| S | 5KT6200604 | "S" screw type |

Rating diagrams

