

Sequence, direct acting poppet type

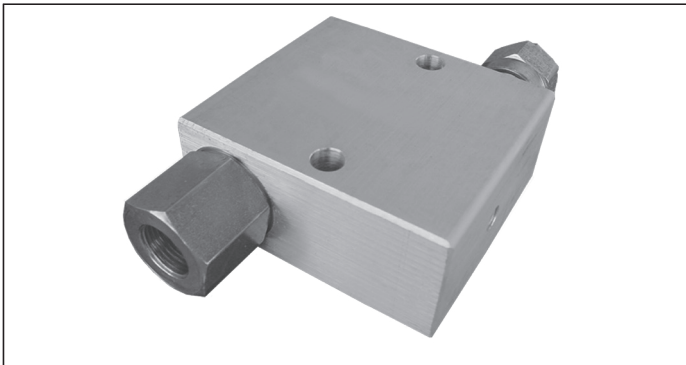
VSQ-30

05.21.07 - X - Y - Z

RE 18309-85

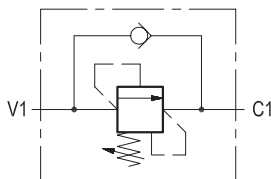
Edition: 03.2016

Replaces: 04.2010



Description

Initially, the flow goes to a side line connected to V1, not shown here, and energizes a first actuator until pressure increases to meet the selected valve setting; then flow opens the relief cartridge and passes from V1 to C1 energizing the second actuator connected to C1. Note that pressure at C1, i.e. the pressure needed to operate the second actuator, is additive to the relief setting of the valve. The hydraulic damping of the relief poppet provides enhanced stability at all flows. The check valve allows reverse flow, from C1 to V1.

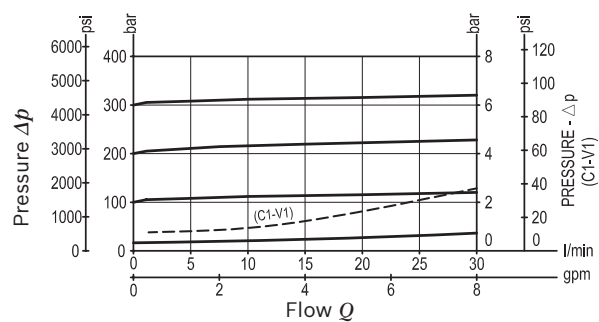


Technical data

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Operating pressure | up to 210 bar (3000 psi) |
| Max. flow | 30 l/min. (8 gpm) |
| Pressure drop curves are shown with zero black pressure on "C1" port. This valve is successfully employed when the pressure needed to move the secondary actuator is not very high. | |
| Weight | 0.81 kg (1.79 lbs) |
| 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. | |
| Fluid | Mineral oil (HL, HLP) according DIN 51524 |
| Fluid temperature range | -30 °C to 100 (-22 to 212 °F) |
| Viscosity range | 10 to 500 mm ² /s (cSt) |
| Recommended degree of fluid contamination | Class 19/17/14 according to ISO 4406 |
| Other technical data | see data sheet 18350-50 |

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

Characteristic curve



Ordering code

| | | | |
|----------|---|---|---|
| 05.21.07 | X | Y | Z |
|----------|---|---|---|

Sequence
direct acting poppet type

Adjustments

03 Leakproof hex. socket screw



| | | | |
|------------|-------|-------|--|
| Port sizes | V1 | C1 | |
| 02 | G 3/8 | G 3/8 | |
| 03 | G 1/2 | G 1/2 | |

| | SPRINGS | | |
|-----------|----------------------------------|------------------------------------------|------------------------------------------|
| | Adj. pressure range bar (psi) | Pres. increase bar/turn (psi/turn) | Std. setting Q=5 (l/min) bar (psi) |
| 05 | 5-50 (75-725) | 12 (174) | 50 (725) |
| 10 | 30-100 (435-1450) | 24 (348) | 100 (1450) |
| 20 | 50-210 (725-3000) | 47 (682) | 200 (2900) |
| 35 | 100-350 (1450-5000) | 82 (1189) | 350 (5000) |

Tamper resistant cap
ordering code 11.04.23.003
Mat. no. R930000754

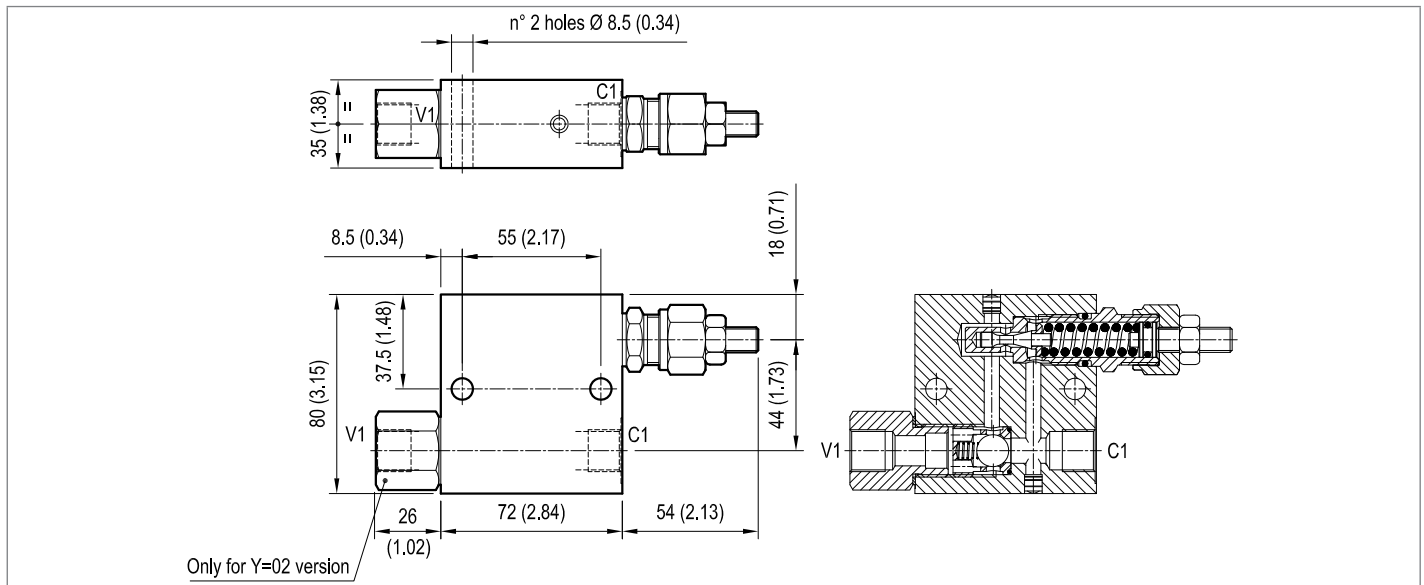


Preferred types

| Type | Material number |
|-----------------|-----------------|
| 052107030205000 | R930001418 |
| 052107030210000 | R930001419 |
| 052107030220000 | R930001420 |
| 052107030235000 | R930001421 |

| Type | Material number |
|-----------------|-----------------|
| 052107030305000 | R930001423 |
| 052107030310000 | R930001424 |
| 052107030320000 | R930001425 |
| 052107030335000 | R930001428 |

Dimensions



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