

Pilot operated check, single manual shut-off

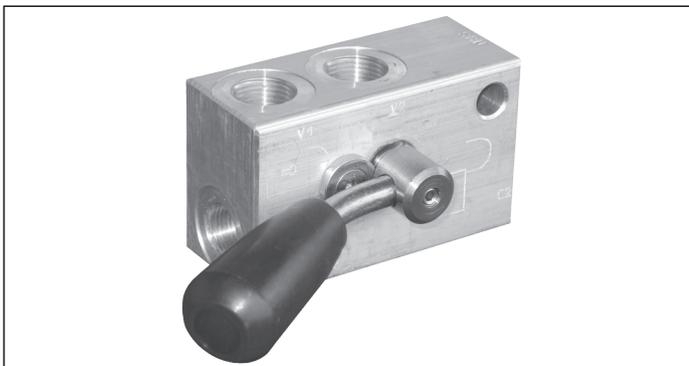
VSO-SE-DL-SX

05.52.26 - X - Y - Z

RE 18307-12

Edition: 09.2019

Replaces: 03.2016



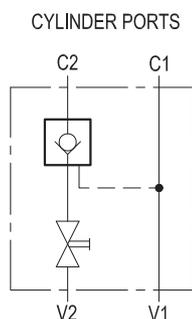
Technical data

| | |
|--|---|
| Operating pressure | up to 210 bar (3000 psi) |
| Max. flow | see performance graph |
| Weight | see "Dimensions" |
| 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 | 5 to 800 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 |

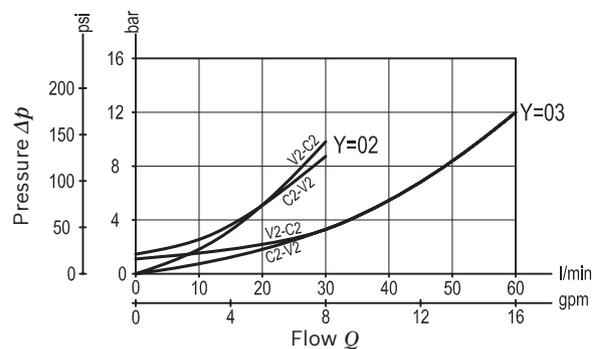
Note: for applications outside these parameters, please consult us.

Description

A tap, manually controlled by the operator, allows inlet flow from V2 to pass through the check valve to C2: as a result, the motion of the actuator (typically the extension and positioning of an outrigger) happens under the operator's direct sight. The valve is normally closed (checked) and virtually leak-free from C2 to V2 in order to prevent reverse motion. Flow outlet from C2 to V2 and reverse motion (i.e. outrigger retraction or lifting up) is possible with manual tap open and if sufficient pilot pressure is present at V1-C1 so that the pilot piston may push the poppet from its seat. In case of valve application in redundancy systems it is especially recommended to use version with sealed pilot piston.



Characteristic curve



Ordering code

| | | | |
|-----------------|----------|----------|----------|
| 05.52.26 | X | Y | Z |
|-----------------|----------|----------|----------|

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O-Ring on pilot piston

10 With O-Ring

| | | |
|-----------------------------|---------------|----------|
| SPRINGS | | |
| Cracking pressure bar (psi) | | |
| 00 | only for Y=02 | 1.6 (23) |
| | only for Y=03 | 0.6 (9) |

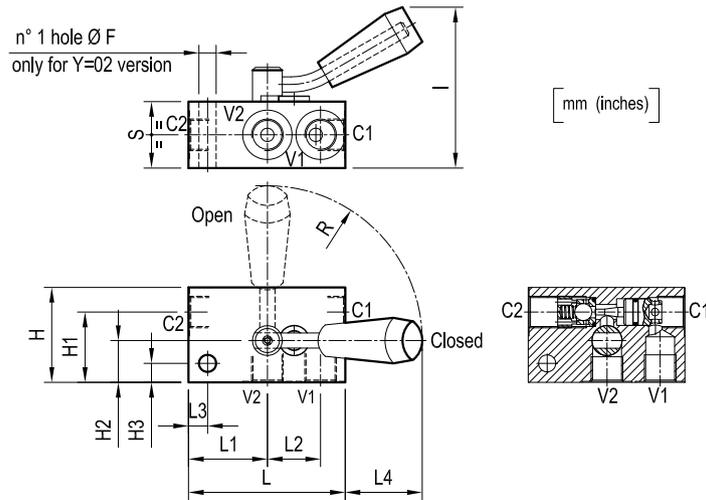
| | | | |
|------------|---------|---------|--|
| Port sizes | V1 - V2 | C1 - C2 | |
| 02 | G 3/8 | G 3/8 | |
| 03 | G 1/2 | G 1/2 | |

Preferred types

| Type | Material number |
|-----------------|-----------------|
| 05522610020000C | R930002338 |
| 05522610030000B | R930002342 |

| Type | Material number |
|------|-----------------|
| | |
| | |

Dimensions



| | | | | | | | | | | | | | | | |
|--------------|---------------|--------------|--------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|-------|-------------|--------------------|
| 35 (1.38) | 40.5 (1.6) | - | 35 (1.38) | 40.5 (1.6) | 90.5 (3.56) | 85 (3.35) | - | 30 (1.18) | 50 (1.97) | 65 (2.56) | - | 82 (3.23) | G 1/2 | 3.6 : 1 | 1 (2.2) |
| 35 (1.38) | 40.5 (1.6) | 10 (0.39) | 28 (1.1) | 41.5 (1.63) | 82.5 (3.25) | 85 (3.35) | 10 (0.39) | 22 (0.87) | 37 (1.46) | 50 (1.97) | 9 (0.35) | 82 (3.23) | G 3/8 | 5.4 : 1 | 0.6 (1.32) |
| S | L4 | L3 | L2 | L1 | L | I | H3 | H2 | H1 | H | F | R | Y | Pilot ratio | Weight kg (lbs) |