

Single counterbalance

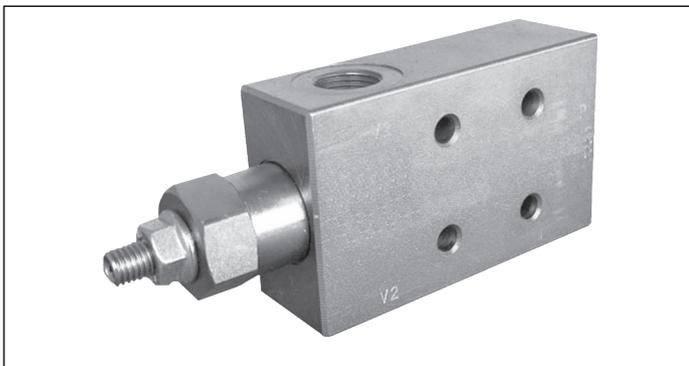
A-VBSO-SE-30-FC1

08.41.02 - X - Y - Z

RE 18307-38

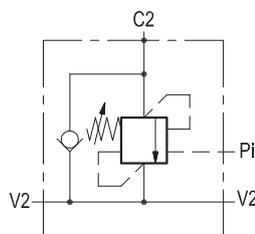
Edition: 02.2022

Replaces: 03.2016



Description

When pressure at V2 rises above the spring bias pressure, the check seat is pushed away from the piston and flow is allowed from V2 to C2. When load pressure at C2 rises above the pressure setting, the direct operated relief function is activated and flow is relieved from C2 to V2. With pilot pressure at Pil, the pressure setting is reduced in proportion to the stated ratio of the valve, until opening and allowing flow from C2 to V2. The spring chamber is drained to V2, and back-pressure at V2 is additive to the pressure setting in all functions. For safety and compactness, the C2 port is gasket mounted the actuator.



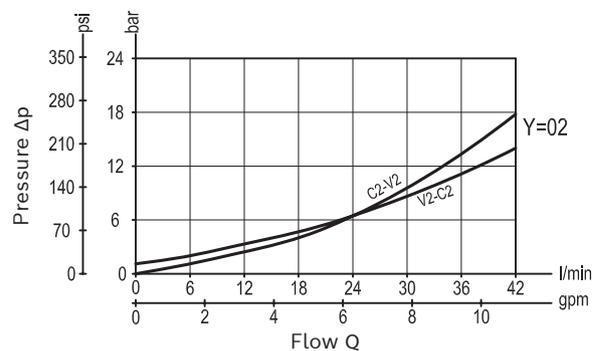
Technical data

| | |
|---|---|
| Max. operating pressure | 410 bar (5945 psi) |
| Max. flow | 60 l/min. (16 gpm) |
| Weight | 1.05 kg (2.3 lbs) |
| Manifold material | Zinc plated steel |
| Flange seal kit ¹⁾ | E00000000000056 (R930060579) |
| 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 |
| MTTFd | 150 years see data sheet 18350-51 |
| Other technical data | see data sheet 18350-50 |
| Relief setting: | at least 1.3 times the load induced pressure. |

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

¹⁾ Seals for 10 valves.

Characteristic curve



Ordering code

| | | | |
|-----------------|----------|----------|----------|
| 08.41.02 | X | Y | Z |
|-----------------|----------|----------|----------|

| | |
|-----------------------|---------|
| Single counterbalance | |
| Pilot ratio | |
| 03 | 4.2 : 1 |

| Port sizes | V2 | C2 | Pil |
|------------|-------|------------|-------|
| 09 | G 1/4 | ∅ 9 (0.35) | G 1/4 |
| 02 | G 3/8 | ∅ 9 (0.35) | G 3/8 |

| | SPRINGS | | |
|-----------|-------------------------------|------------------------------------|------------------------------------|
| | Adj. pressure range bar (psi) | Pres. increase bar/turn (psi/turn) | Std. setting Q=5 (l/min) bar (psi) |
| 20 | 60-210 (870-3000) | 63 (914) | 200 (2900) |
| 35 | 180-350 (2610-5000) | 138 (2001) | 350 (5000) |

Pressure setting up to 410 bar: code on request.

Tamper resistant cap code ordering code 11.04.23.002
 Mat. no. R930000752 

Preferred types

| Type | Material number |
|-----------------|-----------------|
| 08410203022000B | R930003285 |
| 08410203023500C | R930054936 |
| 08410203092000A | R930003287 |

| Type | Material number |
|-----------------|-----------------|
| 08410203093500B | R930003288 |
| | |
| | |

Dimensions

