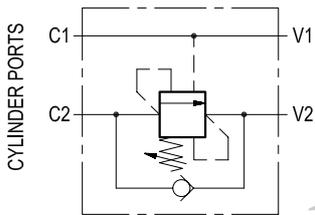


RE 18307-43/04.10 1/2
Replaces: RE 00171/02.07

Single counterbalance

VBSO-SE

05.41.01 - X - Y - Z



Description

When pressure at V2 rises above the spring bias pressure, the check valve poppet is pushed away from the seat and flow is allowed from V2 to C2. When load pressure at C2 rises above the pressure setting, the direct operated, differential area, relief function is activated and flow is relieved from C2 to V2. With pilot pressure at V1-C1, 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 any back-pressure at V2 is additive to the pressure setting in all functions.

Technical data

Hydraulic

| | | |
|---|-----------|------------------|
| Operating pressure | bar (psi) | up to 210 (3000) |
| Max. flow: see performance graph | | |
| Relief setting: at least 1.3 times the highest expected load. | | |

General

| | | |
|--|----------------------------|----------------------------------|
| 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. | | |
| Weight | see "Dimensions" | |
| Fluid temperature range | °C (°F) | between -30 (-22) and +100 (212) |
| Other technical data | see data sheet RE 18350-50 | |

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

Performance

