

Compu-Spread

Counter Balance Valves CS-CBV-FL



EFFECTIVE LOAD HOLDING

Safely holds suspended loads and over-running loads. A solenoid valve allows float mode or electrical lowering function.

FEATURES

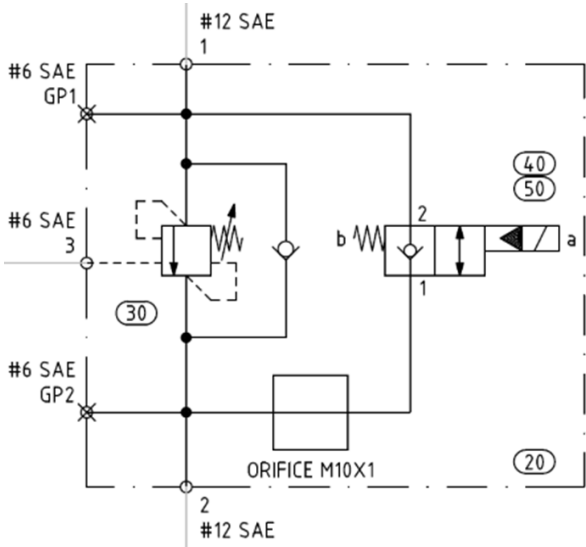
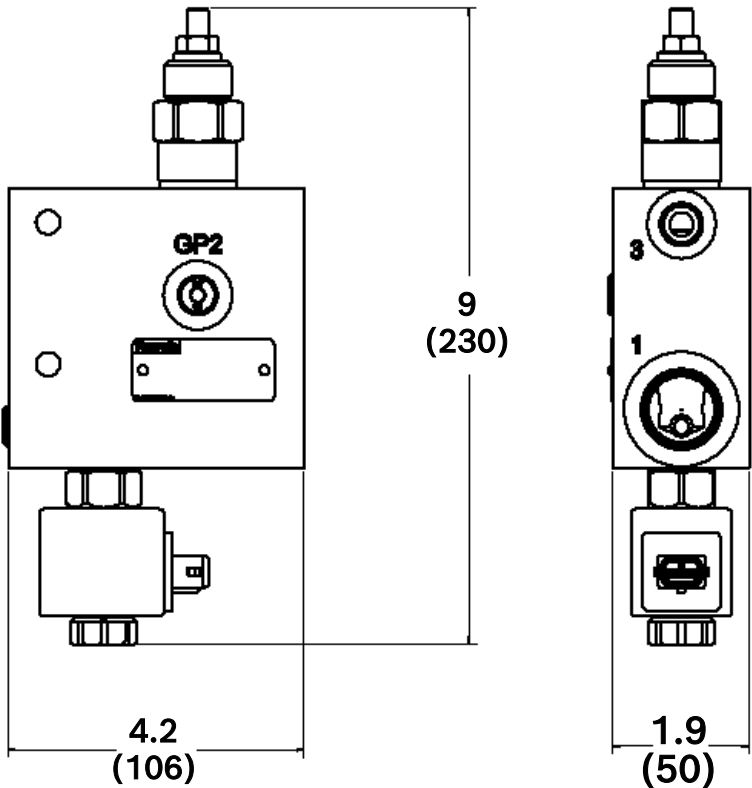
- Load holding & selectable float mode
- 100% Leak free Cartridges
- Fully Adjustable Counterbalance
- Orifice to control fast down speed

The Rexroth CS-CBV-FL Counterbalance Valve is a leak-free pressure control valve used to safely hold suspended hydraulic loads and prevent undesirable run-away when the load is to be moved. The CS-CBV-FL is for line mounting, preferably right at the actuator it is to control. It incorporates the Rexroth VBSN series cartridge valve. Flow is regulated in one direction by a pilot pressure signal working against the valve's spring setting. Free flow in the opposite direction is permitted by the integral reverse flow check valve.

A Rexroth VEI solenoid pilot operated poppet valve is fitted in parallel to the counterbalance cartridge. In cylinder circuits the cap and rod ends can be connected when the 2/2 directional valve is energized. Where the cylinder is used to move a plow the resulting flow path allows the cylinder to float so that the plow can follow the road contour more closely. A throttle orifice insert restricts this fluid flow and provides controlled descent if plow or wing are inadvertently lowered.

OVERALL DIMENSIONS—INCHES (MM)

SCHEMATIC



All dimensions are approximate, intended for illustrative purposes only. Certified drawings available upon request.

ORDERING INFORMATION

| Material # | Model Code | Pilot Ratio | Main Ports | Q USGPM (l/min) | Housing Material |
|------------|-------------------------------|-------------|-------------------------------|-----------------|------------------|
| R987463949 | CS-CBV-FL-12-8:1-1X/345-12UNF | 8:1 | #12 SAE "O" Boss (1-1/16 UNF) | 32 (100) | ductile iron |

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