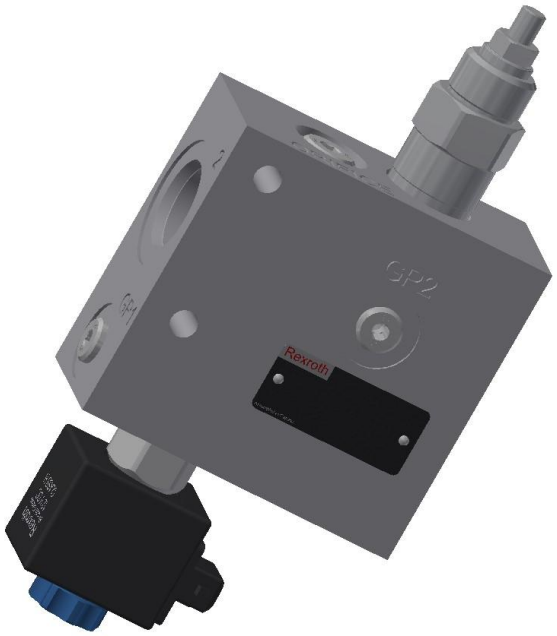
rexroth
A Bosch Company

# 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.

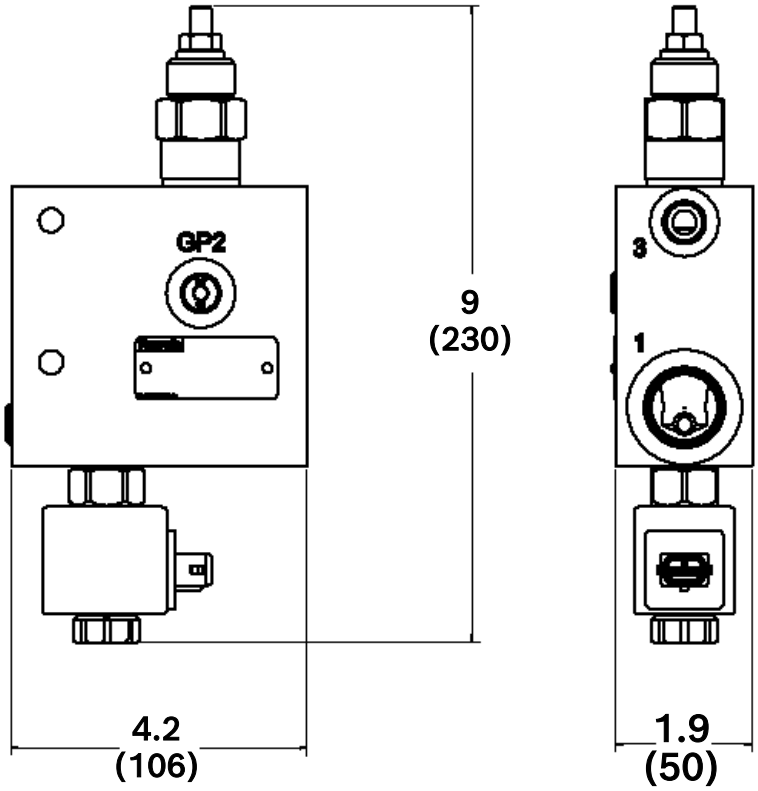
## FEATURES

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

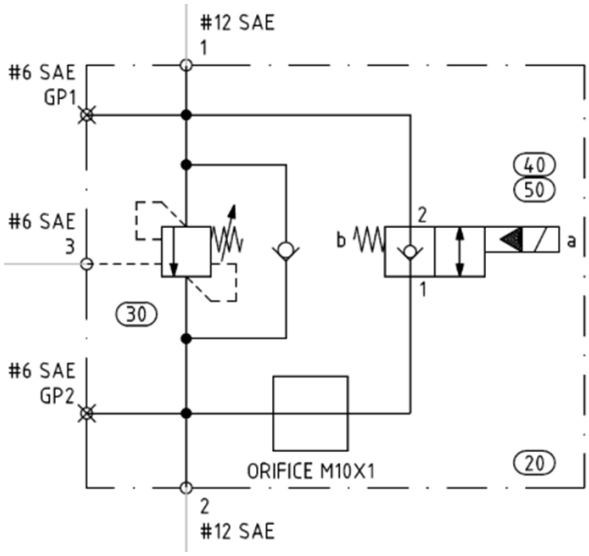
The Rexroth CS-CBV-FL Counterbalance Valve is a leak-free pressure control valve used to safely hold suspended hydraulic loads and prevent undesirable run-away when the load is to be moved. The CS-CBV-FL is for line mounting, preferably right at the actuator it is to control. It incorporates the Rexroth 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 |

Bosch Rexroth Canada Corp.
490 Prince Charles Drive S.
Welland, ON L3B 5X7
Tel: +1 905-735-0510
Toll Free: +1 877-COMPU-11
www.boschrexroth.ca/cs