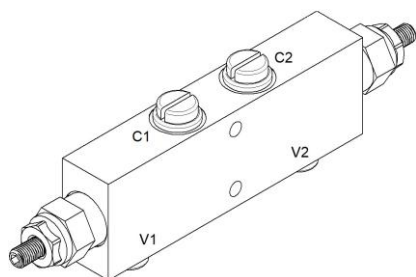
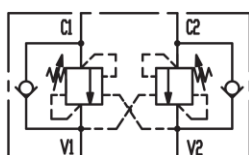


Overview



Symbol



Description

Dual Counterbalance Valve – Line Mounted Type

Operation

It provides static and dynamic control of load by regulating the flow IN and OUT of the actuator, through ports C1 and C2. This valve module includes 2 sections, each one composed by a check and a relief valve pilot assisted by pressure in the opposite line: the check section allows free flow into actuator, then locks the load against reverse movement; with pilot pressure applied at line across, the pressure setting of the relief is reduced in proportion to the stated ratio until opening and allowing controlled reverse flow.

Back-pressure at V1 or V2 is additive to pressure settings in all functions.

Ratings

Operating Pressure	: 350 bar
Flow Rating	: Refer Pressure drop VS Flow Graph
Pilot Ratio	: 4.1:1
Internal Leakage	: 5 drops/min max. at nominal pressure
Temperature	: -40° to +120° C
Fluids	: Mineral Based Fluids with viscosities of 7.4 to 420 cSt
Housing Material	: Steel & Ductile iron rated to 350 bar

Performance

PRESSURE DROP VS FLOW

