

DUAL COUNTERBALANCE, VENTED

A-VBSODE33CCAPFC2STCR34A

08.44.31.13.04.35.00A

Material number R930050608

TECHNICAL DATA

Max. operating pressure: 350 bar (5075 psi) **Max. flow:** 40 l/min. (11 gpm)

	Setting bar (psi) - Q=5 l/min	Adj. pressure range bar (psi)	Pressure increase bar/turn (psi/turn)
Valve 1-2	350 (5075)	100 - 350 (1450 - 5075)	110 (1595)

Relief setting: at least 1.3 times the highest expected load.

Pilot ratio Valve 1-2: 4:1	Port size V1-V2: G 3/4 ISO 1179-1 C1-C2: Ø 13
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Seal flange kit code E00000000000012 (MNR: R930005945)
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Material
Manifold: zinc plated steel.
External parts: zinc plated steel.

Weight: 4.9 kg (10.8 lbs)

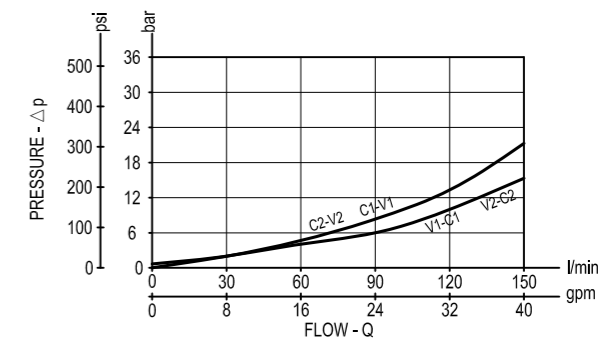
Hydraulic fluid Mineral oil (HL, HLP) according to DIN 51524	Hydraulic fluid temperature range -30 to +100°C (-22 to 212°F)
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Viscosity range 5 to 800 mm ² /s (cSt)	Filtration Class 19/17/14 according to ISO 4406
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Description

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 the actuator, then holds the load against reverse movement; with pilot pressure applied to the line across, the pressure setting of the relief is reduced in proportion to the stated ratio until opening and allowing controlled reverse flow. For higher stability at all flows and pressures, the pilot line for valves (1, 2) includes an adjustable restriction with check valve for pressure release (3, 4). The relief spring chambers are vented to air: relief and piloted opening are independent from back-pressure at V1 or V2.

Performance graph



Application

Teleshifter lifting and extension cylinder.

