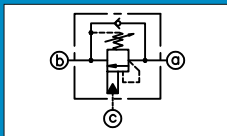


COUNTERBALANCE VALVE

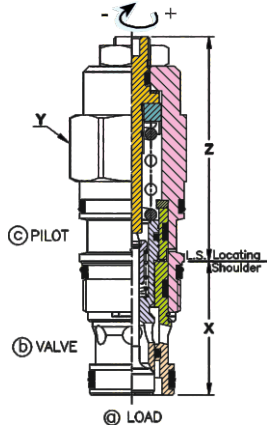
Standard, 350 Bar Maximum Setting

(Pilot Ratio - 4.5:1)



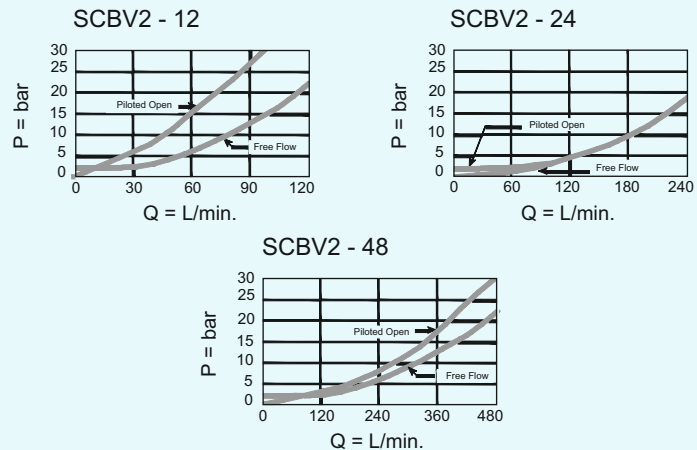
SERIES - SCBV2

Turn screw clockwise to reduce setting and release load.
Complete Adjustment 3 3/4 Turns



Performance Curves

Free Flow and Pilot Open Pressure Drop



Capacity	Typical Cartridge Model Code	Cavity	Cartridge Dimensions			Installation Torque (Nm)
			X	Y	Z	
120 L/min.	SCBV2 - 12 - S - RR	CV - 273	34.9	28.6	61	60/70
240 L/min.	SCBV2 - 24 - S - RR	CV - 283	46	31.8	70	200/215
480 L/min.	SCBV2 - 48 - S - RR	CV - 231	63.5	41.3	90	465/500

- Load holding to 4000 psi with 5000 psi valve setting
- Maximum valve leakage at reseal = 0.4 cc/min.
- Reseat exceeds 85% of set pressure
- Factory pressure setting established at 32.8 cc/min.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.
- Back pressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the back pressure.
- Adjustment Range - 'RR' is standard set at 3000 psi
- Pilot Ratio - 4.5:1

ORDERING INFORMATION

SCBV 2 - * - S - *

1 2 3 4 5

1. Model Code - SCBV
2. Model Series - 2
3. Nominal Capacity
12 = 120 L/min.
24 = 240 L/min.
48 = 480 L/min.

4. Control - Standard Screw
5. Pressure Range
RR = 2000 - 5000 psi