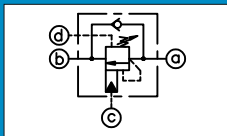


COUNTER BALANCE VALVE

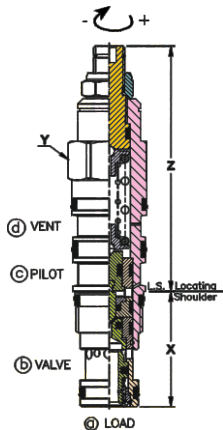
Vented, 280 Bar Maximum Setting

(Pilot Ratio - 3:1)



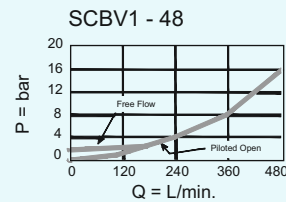
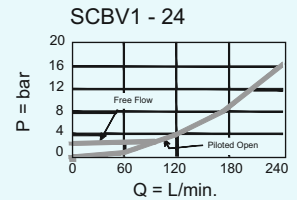
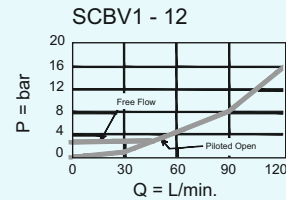
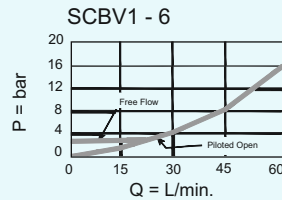
SERIES - SCBV1

Turn screw clockwise to reduce setting and release load.
Complete Adjustment 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	
60 L/min.	SCBV1 - 6 - S - YO	CV - 278	34.9	22.2	74	40/50
120 L/min.	SCBV1 - 12 - S - YO	CV - 277	34.9	28.6	84	60/70
240 L/min.	SCBV1 - 24 - S - YO	CV - 276	46	31.8	96	200/215
480 L/min.	SCBV1 - 48 - S - YO	CV - 275	63.5	41.3	117	465/500

- Load holding to 3000 psi with 4000 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.
- Free flow check cracking pressure = 40 psi
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.
- Adjustment Range - 'YO' is standard set at 3000 psi
- Pilot Ratio - 3:1

ORDERING INFORMATION

SCBV 1 - * - S - *

1 2 3 4 5

1. Model Code - SCBV
2. Model Series - 1
3. Nominal Capacity
6 = 60 L/min.
12 = 120 L/min.
24 = 240 L/min.
48 = 480 L/min.

4. Control - Standard Screw
5. Pressure Range
YO = 1000 - 4000 psi