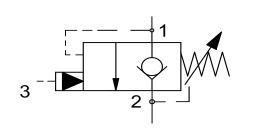
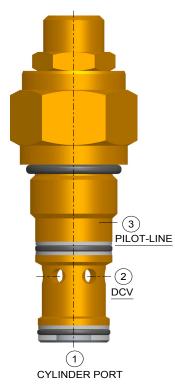




Counterbalance Valve Poppet Type



- Q_(max)=120 lpm , P_(max)=280 bar , Pilot Ratio- 4.1:1
- Screw -in Cartridge,
- Direct Acting , Poppet Design , Pilot Assisted , Counterbalance Valve



load is in lowering/run-away condition.

Smooth, Modulated motion control when

- Leak free load holding.
- Overset Protection -Spring cannot go solid.
- Protection against Hydraulic line failure.
- Available in Leakproof screw adjustment / Fixed setting cap.
- Can be fitted in line mounting bodies.
- All external parts are **zinc plated**,**chromated** (CrVI-Free).
- Designed in accordance to **Industry common Cavities**.

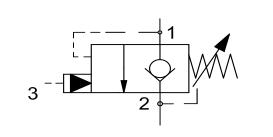
1. Description -

SPCB series catridge valves are **Screwin, Direct Acting, Poppet type, Pilot assisted** high performance Counerbalance valves. This cartridge controls moving load and prevent it from moving ahead, locking the load at a definite position. It also provides cavitation free motion control to match speed to pump flow when the load could cause loss of control of a cylinder or motor.

This Counterbalance Valve can be used in manifold blocks & line mounting bodies.All external parts of this cartridge are Zinc-plated and chromated (CrVI-free) ,poppet is hardened and thus suitable to be used in harshest environmental conditions and also provides long life to cartridge.



Counterbalance Valve Poppet Type

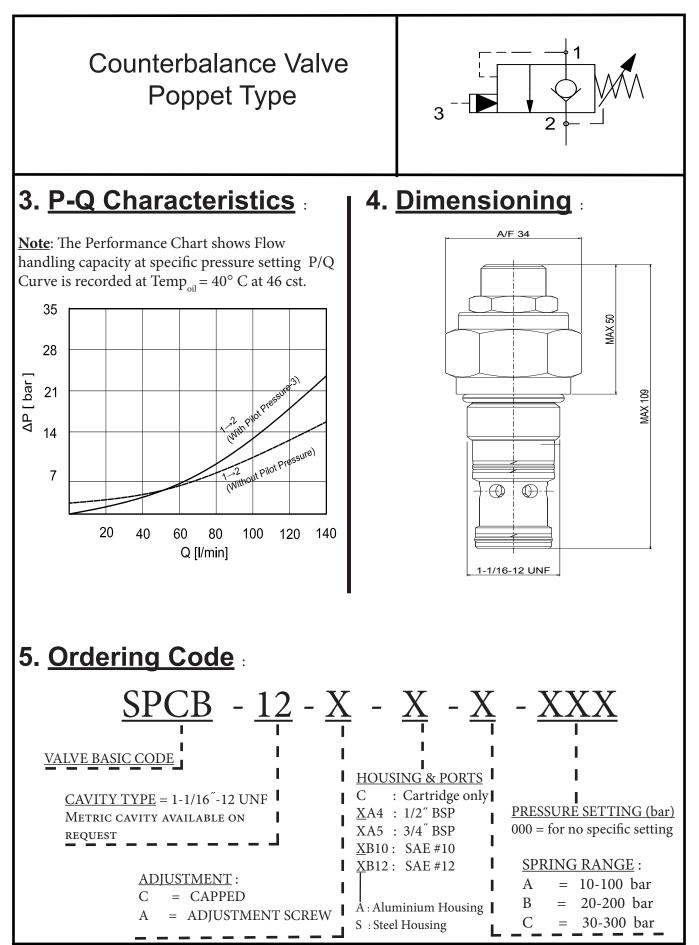


2. Technical Data :

S.no.	General Specification	Values
1.	DESIGNATION	COUNTERBALNCE VALVE
2.	MOUNTING METHOD	SI2-2.5 CAVITY
3.	MAXIMUM OPERATING PRESSURE	280 bar
4.	MAXIMUM FLOW	120 LPM
5.	Maximum Internal Leakage	6 DROPS/MIN @ 90% OF CRACK PRESSURE
6.	Valve Housing	P _{Hydraulic system} ≤210 bar-Aluminum Housing-Anodised P _{Hydraulic system} >210bar-Steel housing -Zinc Plated
7.	OPERATING TEMPERATURE	-35° то +120° С
8.	Hydraulic Fluid	MINERAL OILS WITH LUBRICATING PROPERTIES AT 15250 MM ² /SEC
9.	Minimum Fluid Cleaniness	ISO CLASS 20/18/15
10.	Weight	0.40 кд
11.	INSTALLATION TORQUE	90-100 N/M



SPCB-12



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