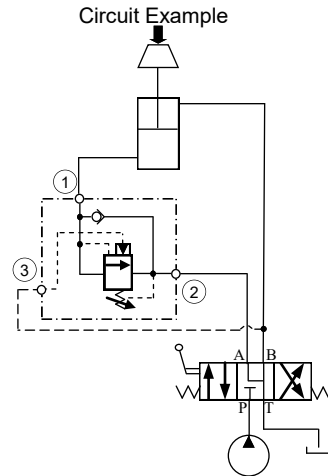


Features

- Counterbalance valves for the control or holding of a negative gravitational load. The load will be held if power is lost with minimal movement over an extended period of time per the leakage rate. A check valve allows free flow from port 2 to 1 and forces flow to the relief valve in the direction of port 1 to 2. A direct acting relief valve controls flow from port 1 to 2. If no pressure is applied to the pilot line port 3, the relief valve holds the pressure/load according to the spring setting. Applying pressure to port 3 reduces the relief setting at the ratio selected for the valve.
- Cartridge style counterbalance valves for use in custom designed manifolds
- Optional aluminum anodized body available
- For use with mineral based oils
- From -30°C to 120°C operation
- Relief pressure setting should be at least 1.3 times greater than the maximum load pressure
- The reset pressure can be 85% of the opening pressure



Ordering Details

V	Valve
C	Cartridge
B-	Counterbalance
08-2-	Cavity Size (page 3)
O4-	Body Port Size (blank for cartridge only)
H	Adjustment: H = Allen wrench with hex nut
3-	Opening Ratio (port 3 to 2)
1	Series

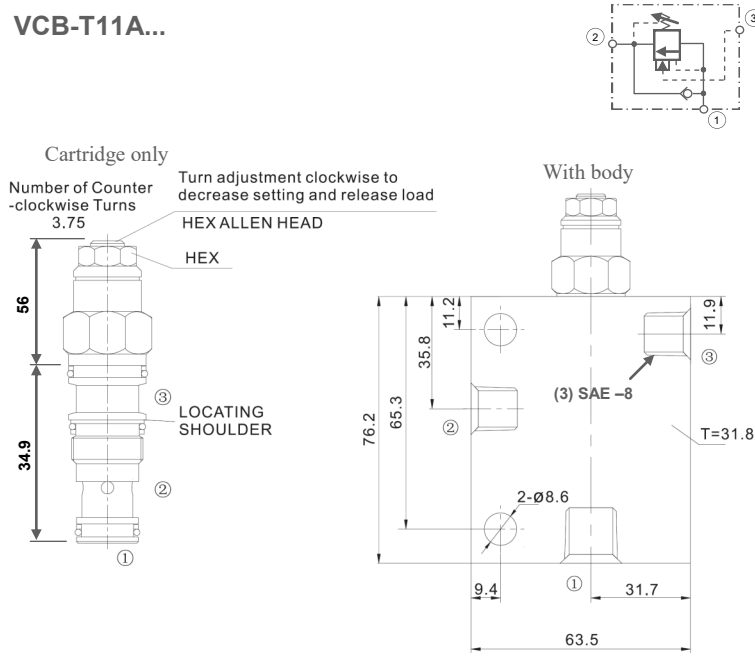
Valve
Cartridge
Counterbalance
Cavity Size (page 3)
Body Port Size (blank for cartridge only)
Adjustment: H = Allen wrench with hex nut
Opening Ratio (port 3 to 2)
Series

Code	Opening Ratio	Port Size, SAE O-ring	Cavity Size Code	Max. Flow lpm	Max. Pressure Cartridge Bar	Min. Pressure setting Bar	Max. Pressure Body Bar	Leakage at Max. Pressure cc/min
3	3:1	8	T11A	60	280	14	210	0.25
4.5	4.5:1				350			
10	10:1				350			
3	3:1	12	T2A	120	280	14	210	0.25
4.5	4.5:1				350			
10	10:1				350			
3	3:1	16	T17A	240	280	14	210	0.25
4.5	4.5:1				350			
10	10:1				350			
3	3:1	20	T19A	480	350	14		0.25
4.5	4.5:1				350			
10	10:1				350			

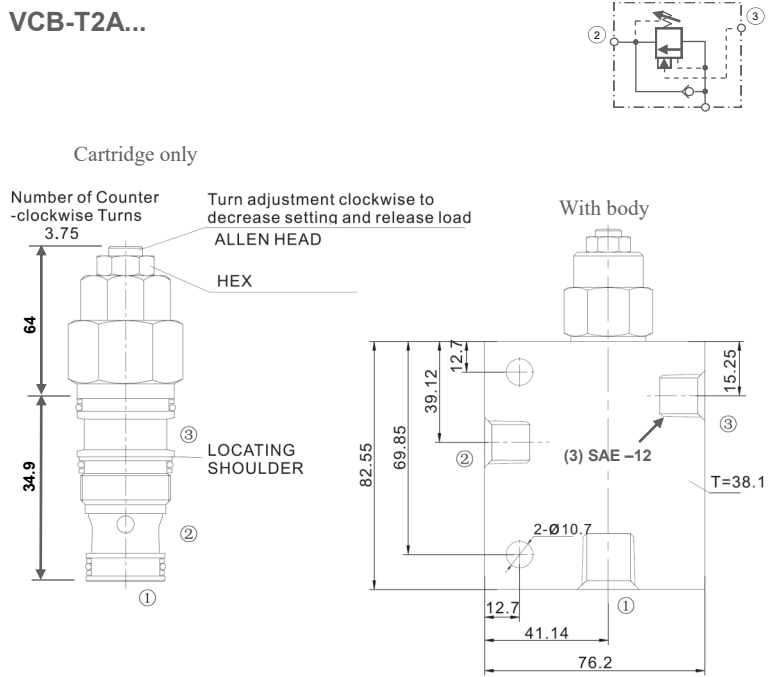
Example Part Number: VCB-08-2-O4-H-3-1

Dimensions (mm)

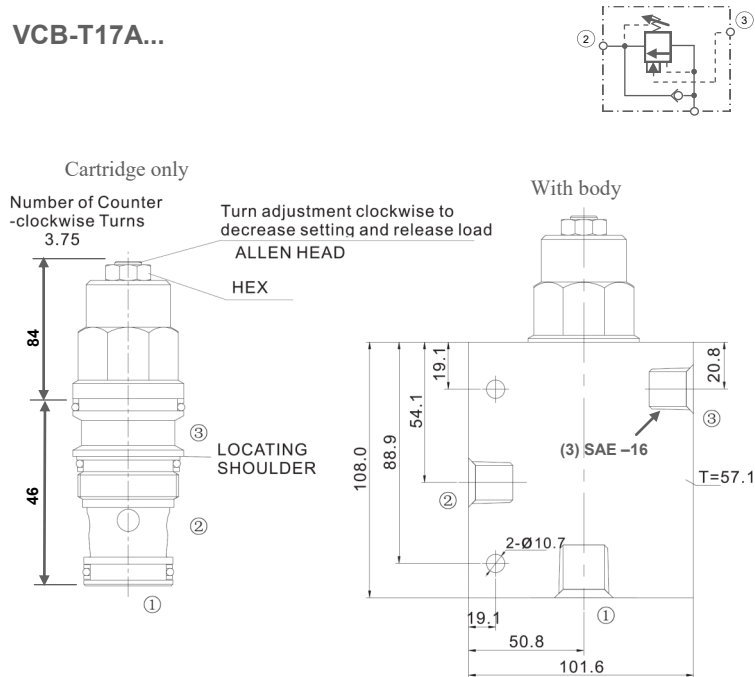
VCB-T11A...



VCB-T2A...



VCB-T17A...



VCB-T19A...

