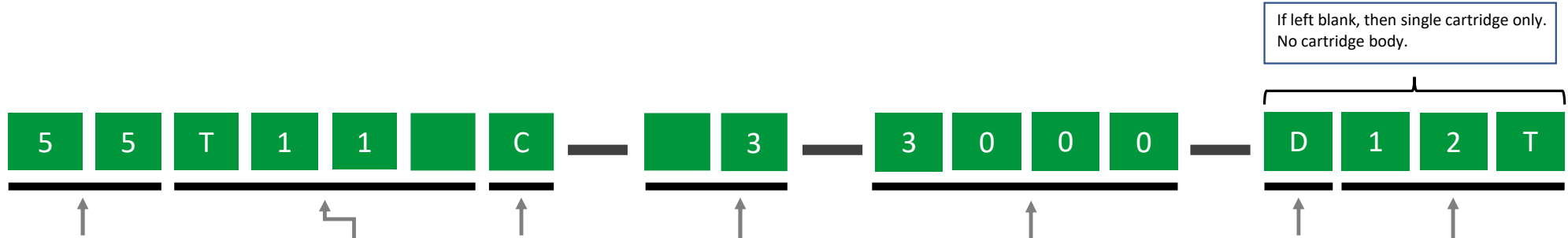


Counterbalance Valve Part Number Convention



50 = Adjustable Standard CBV, Industry Common Cavity.

54 = Fixed CBV, Industry Common or T-Series Cavity.

55 = Adjustable Standard CBV, T-Series Cavity.

56 = Adjustable Standard CBV, Industry Common or T-Series Cavity, Atmospherically Vented.

57 = Adjustable CBV, T-Series Cavity with vented 4th port.

CAVITY SIZE

Industry Common

06 = FC06-3
08 = VC08-3
10 = VC10-3
10S = VC10-S3
12 = C12-3S

T-Series

T163 = T-163A
T11 = T-11A
T2 = T-2A
T17 = T-17A
T21 = T-21A
T22 = T-22A
T23 = T-23A

SPECIAL IDENTIFIERS

L = Low Check Crack (4 – 6 psi)
 Without L, 25 PSI Crack

V = 3 Vented to 2

C = Counterclockwise Adjustment

K = Viton Seals, External

T = Tamper Proof Cap

N = Zinc-Nickel Plating

Can have multiple Identifiers, or none, and all must be in the order shown above.

PILOT RATIO

Code	Ratio	Code	Ratio
1	= 1:1	5	= 5:1
1.5	= 1.5:1	6	= 6:1
2	= 2:1	8	= 8:1
3	= 3:1	10	= 10:1
4	= 4:1		
4.5	= 4.5:1		

In increments of 0.5, from 1:1 to 10:1

PRESSURE SETTING

Pressure setting in psi.
 All counterbalance valves are rated to 5000 psi, with the following adjustment ranges:

500 psi to 1500 psi
 1600 psi to 3900 psi
 4000 psi to 5000 psi

Example: A CBV set at 1700 psi, the valve is adjustable from 1600 psi to 3900 psi.

If the setting is within the range, the valve can be adjusted up to the high end of the range and then down to the lower end. Custom adjustment ranges are available.

3-WAY MANIFOLD

D = Dual Manifold
Blank = Single Manifold

PORT DESIGNATOR

CODE	SIZE
2P	1/4" NPTF
3P	3/8" NPTF
4P	1/2" NPTF
6P	3/4" NPTF
8P	1" NPTF
4T	-04 SAE
6T	-06 SAE
8T	-08 SAE
10T	-10 SAE
12T	-12 SAE
16T	-16 SAE



RATED FLOWS

50 Series Cavity Size	Rated Flow	55 Series Cavity Size	Rated Flow	56 Series Cavity Size	Rated Flow
06	3 GPM	T163	5 GPM	5610	10 GPM
08	7 GPM	T11	15 GPM	56T11	15 GPM
10/10S	15 GPM	T2	30 GPM	56T2	30 GPM
12	25 GPM	T17	60 GPM		