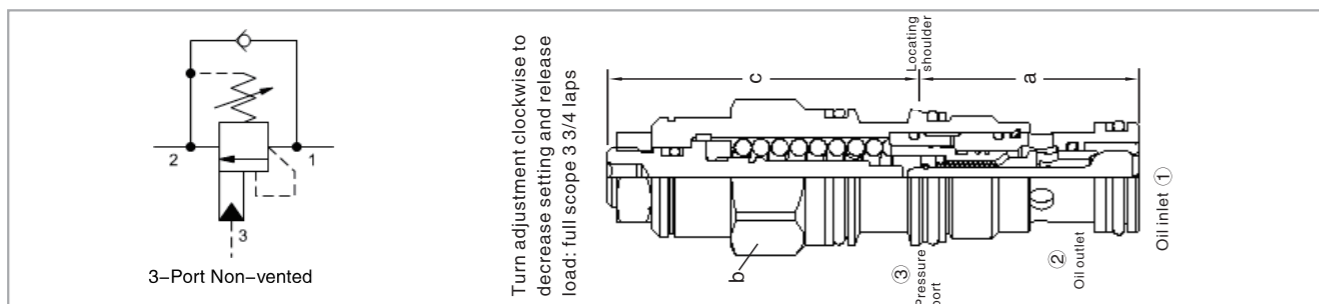


Counterbalance Valve

Description

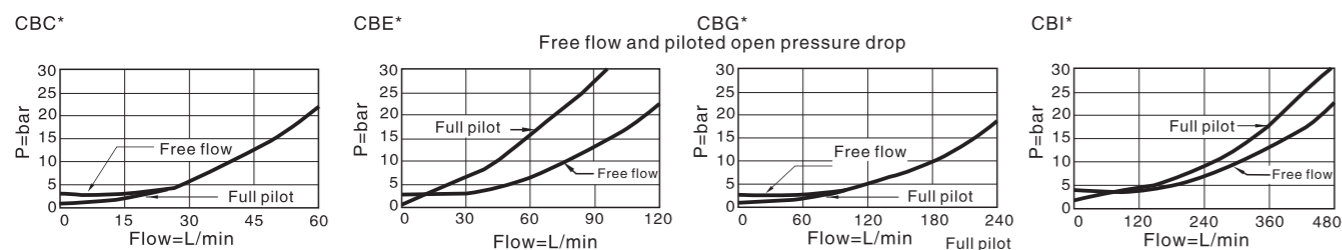
Standard capacity,maximum setting pressure 280 bar,pilot ratio 3:1,1.5:1,2:1.

Code symbol 、 profile and specifications



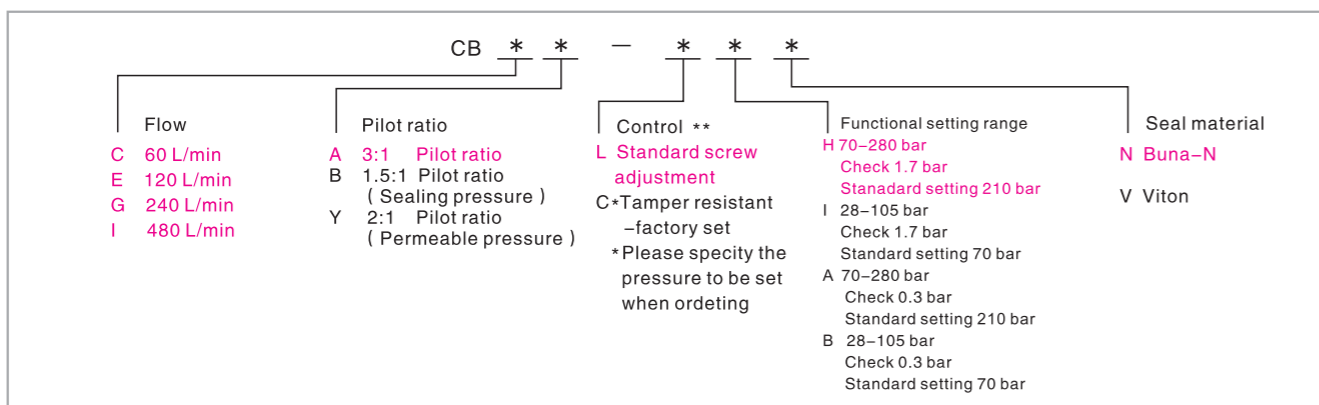
Flow	Model	Cavity	Size				Torque (Nm)
			a	b	c		
60 L/min	CBCA-LHN	T-11A	35,1	22,2	L 49,8	C 58,2	45-50
120 L/min	CBEA-LHN	T-2A	35,1	28,6	L 60,5	C 63,5	60-70
240 L/min	CBGA-LHN	T-17A	46,0	31,8	L 69,9	C 84,1	200-215
480 L/min	CBIA-LHN	T-19A	63,5	41,3	L 89,9	C 103,9	465-500

Pressure drop vs.flow



- When the valve is set at the maximum pressure of 280 bar, the load pressure it can bear is 215 bar.
- Maximum internal leakage during reseating=0,4 cc/min.
- The factory set pressure is set with a flow of 30 cc/min.
- Reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure.
- Two check valve cracking pressures are available. Use the 25 psi (1,7 bar) check unless actuator cavitation is a concern.

Order model

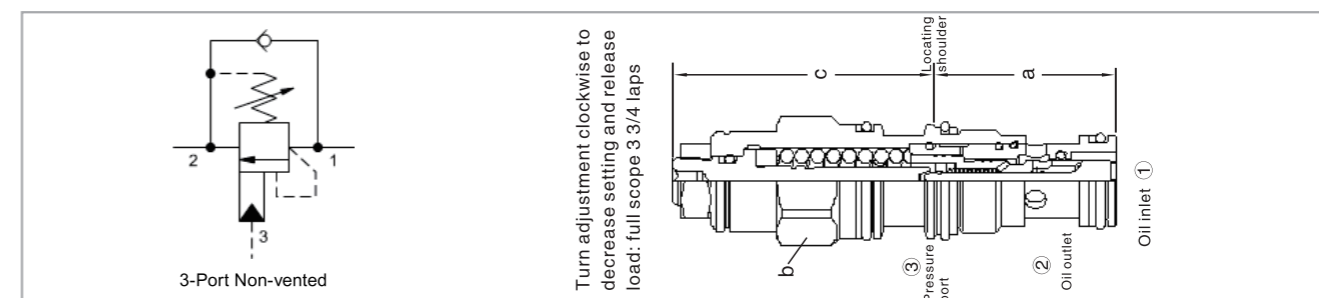


Counterbalance Valve

Description

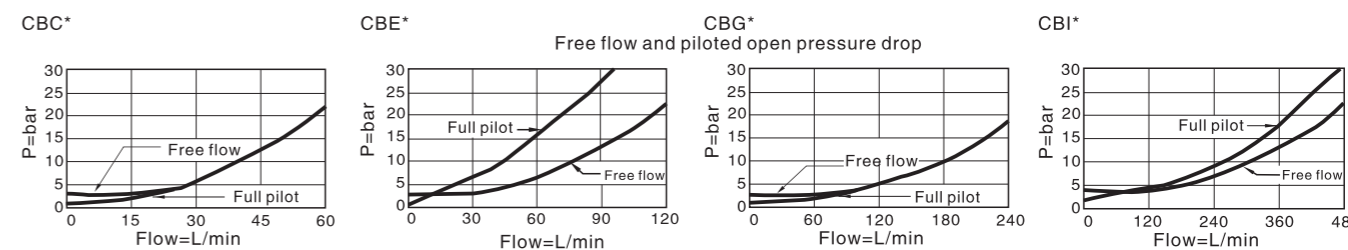
Standard capacity,maximum setting pressure 350 bar,pilot ratio 4.5:1,10:1,2.3:1.

Code symbol 、 profile and specifications



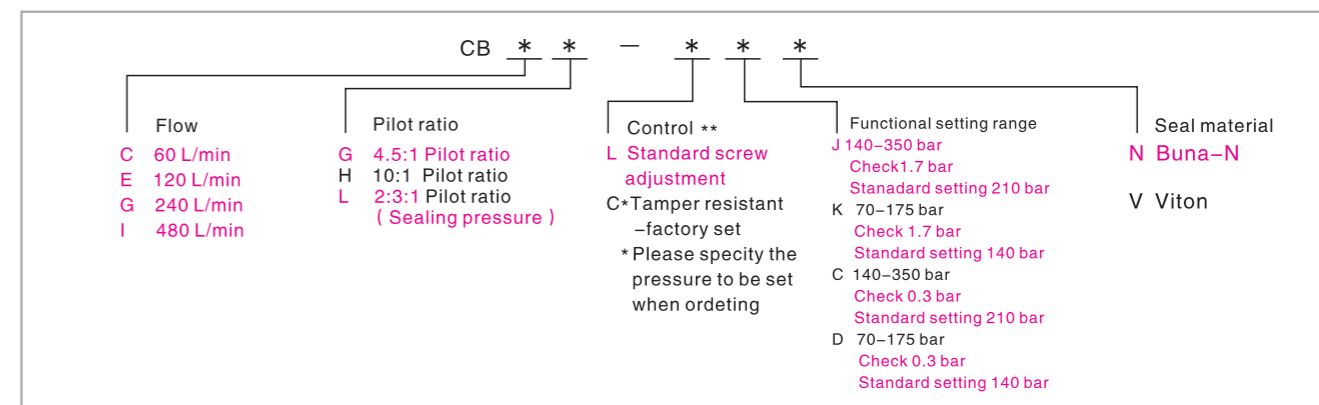
Flow	Model	Cavity	Size				Torque (Nm)
			a	b	c		
60 L/min	CBCG-LJN	T-11A	35,1	22,2	L 50,0	C 58,2	45-50
120 L/min	CBEG-LJN	T-2A	35,1	28,6	L 60,5	C 63,5	60-70
240 L/min	CBGG-LJN	T-17A	46,0	31,8	L 69,9	C 84,1	200-215
480 L/min	CBIG-LJN	T-19A	63,5	41,3	L 89,9	C 103,9	465-500

Pressure drop vs.flow



- When the valve is set at the maximum pressure of 350 bar, the load pressure it can bear is 270 bar.
- Maximum internal leakage during reseating=0,4 cc/min.
- The factory set pressure is set with a flow of 30 cc/min.
- Reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure.
- Two check valve cracking pressures are available. Use the 25 psi (1,7 bar) check unless actuator cavitation is a concern.

Order model

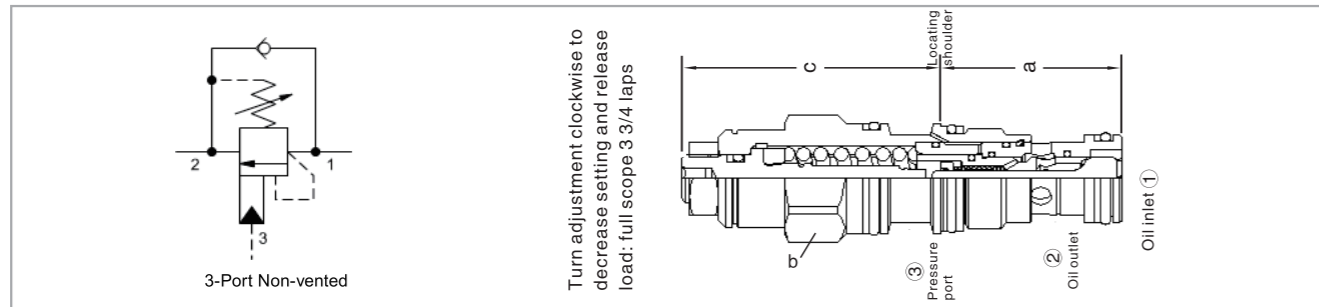


Counterbalance Valve

Description

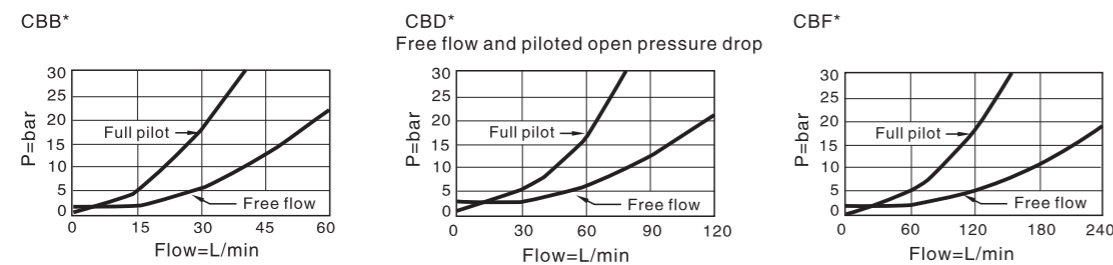
Semi-restrictive, maximum setting pressure 280 Bar; pilot ratio 1.5:1, 3:1.

Code symbol, profile and specifications



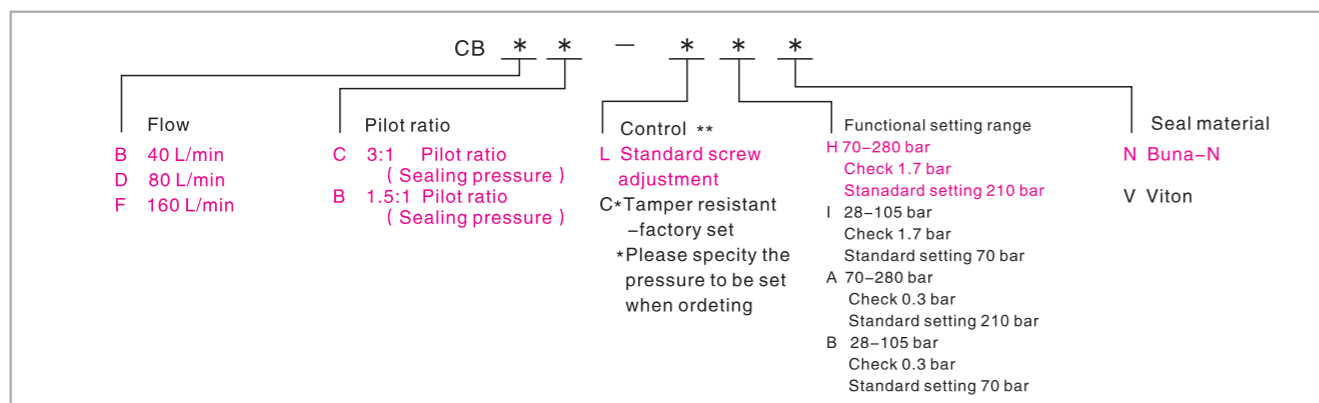
Flow	Model	Cavity	Size				Torque (Nm)
			a	b	c		
40 L/min	CBBC-LHN	T-11A	35,1	22,2	L 50,0	C 58,2	45-50
80 L/min	CBDC-LHN	T-2A	35,1	28,6	60,5	63,5	60-70
160 L/min	CBFC-LHN	T-17A	46,0	31,8	69,9	84,1	200-215

Pressure drop vs. flow



- When the valve is set at the maximum pressure of 280 bar, the load pressure it can bear is 215 bar.
- Maximum internal leakage during reseating=0,4 cc/min.
- The factory set pressure is set with a flow of 30 cc/mln.
- Reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure.
- Two check valve cracking pressures are available. Use the 25 psi (1,7 bar) check unless actuator cavitation is a concern.

Order model

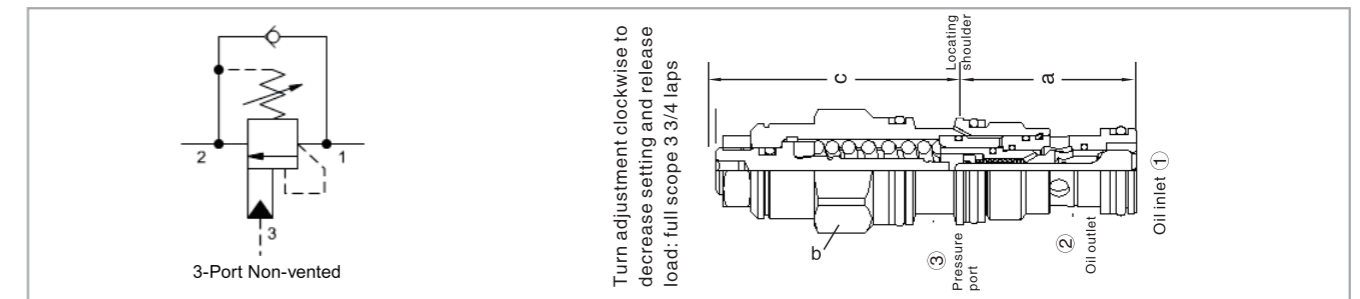


Counterbalance Valve

Description

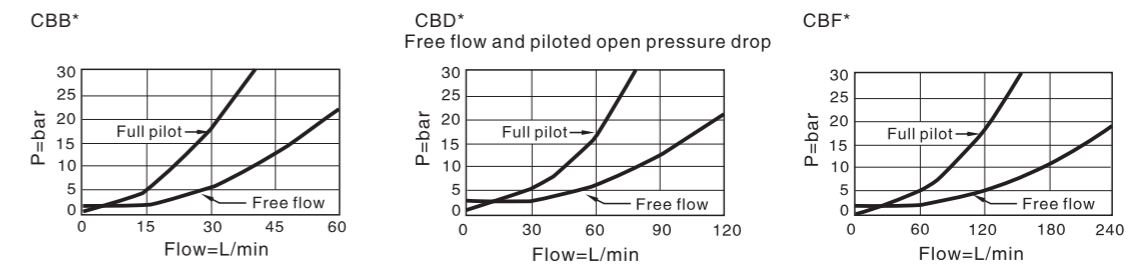
Semi-restrictive, maximum setting pressure 350 Bar; pilot ratio 4.5:1, 2.3:1.

Code symbol, profile and specifications



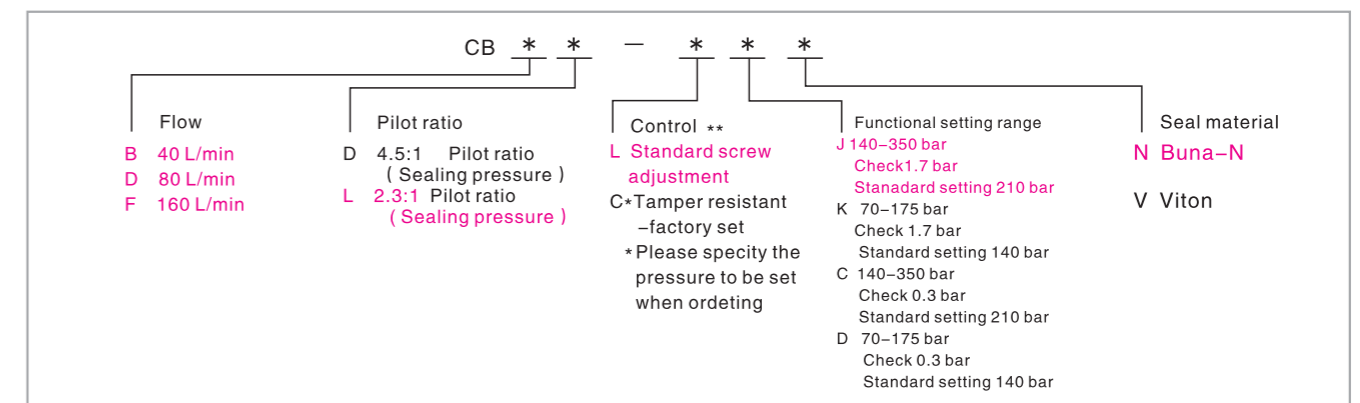
Flow	Model	Cavity	Size				Torque (Nm)
			a	b	c		
40 L/min	CBBD-LJN	T-11A	35,1	22,2	L 49,8	C 58,2	45-50
80 L/min	CBDD-LJN	T-2A	35,1	28,6	60,5	63,5	60-70
160 L/min	CBFD-LJN	T-17A	46,0	31,8	69,9	84,1	200-215

Pressure drop vs. flow



- When the valve is set at the maximum pressure of 350 bar, the load pressure it can bear is 270 bar.
- Maximum internal leakage during reseating=0,4 cc/min.
- The factory set pressure is set with a flow of 30 cc/mln.
- Reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure.
- Two check valve cracking pressures are available. Use the 25 psi (1,7 bar) check unless actuator cavitation is a concern.

Order model

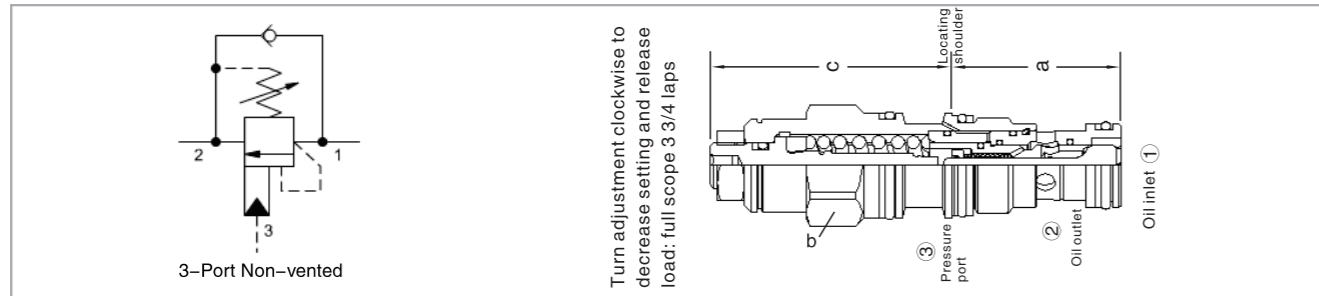


Counterbalance Valve

Description

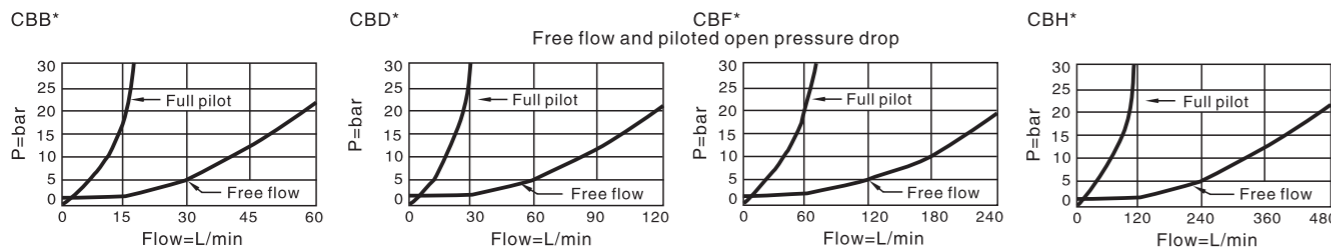
Restrictive, maximum setting pressure 280 bar, pilot ratio 3:1.2:1.

Code symbol , profile and specifications



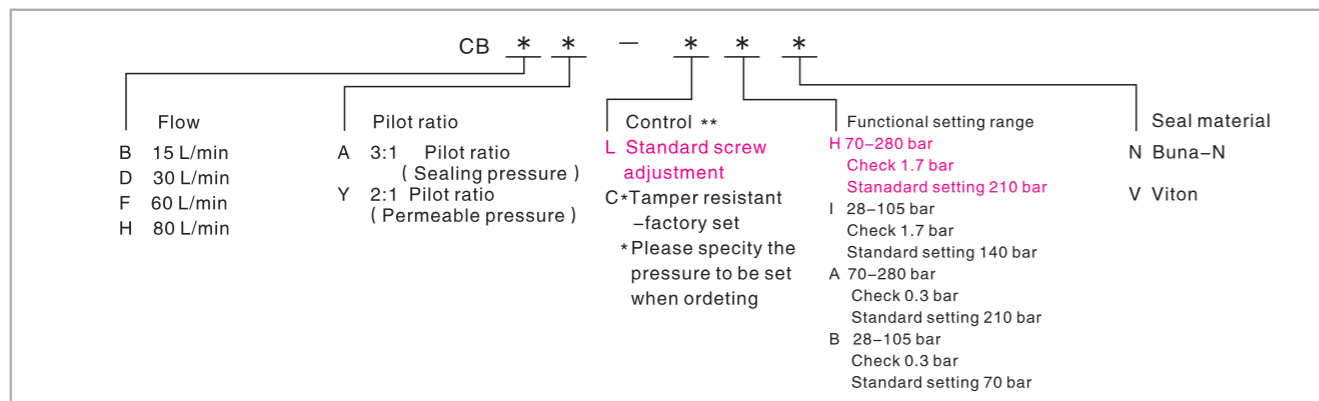
Flow	Model	Cavity	Size				Torque (Nm)
			a	b	L	C	
15 L/min	CBBA-LHN	T-11A	35,1	22,2	50,0	58,2	45-50
30 L/min	CBDA-LHN	T-2A	35,1	28,6	60,5	63,5	60-70
60 L/min	CBFA-LHN	T-17A	46,0	31,8	69,9	84,1	200-215
80 L/min	CBHA-LHN	T-19A	63,5	41,3	89,9	103,9	465-500

Pressure drop vs.flow



- When the valve is set at the maximum pressure of 280 bar, the load pressure it can bear is 215 bar.
- Maximum internal leakage during reseating=0,4 cc/min.
- The factory set pressure is set with a flow of 30 cc/mln.
- Reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure.
- Restrictive valves have no relief capacity other than as a thermal relief.
- Two check valve cracking pressures are available. Use the 25 psi (1,7 bar) check unless actuator cavitation is a concern.

Order model

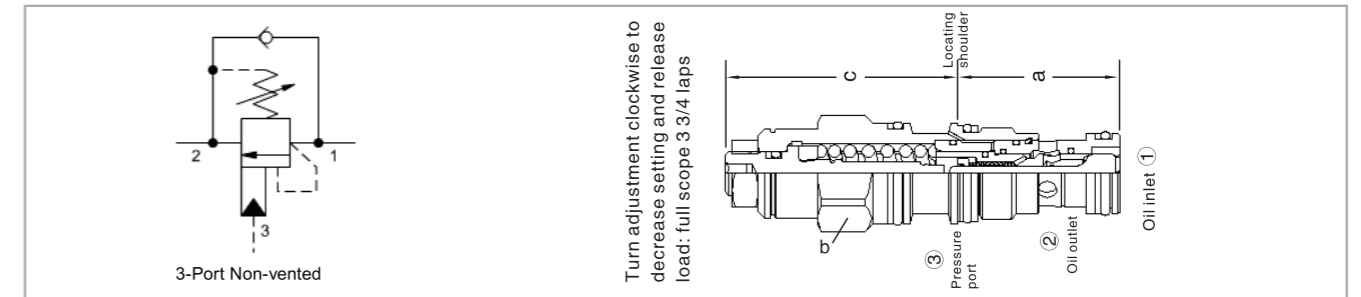


Counterbalance Valve

Description

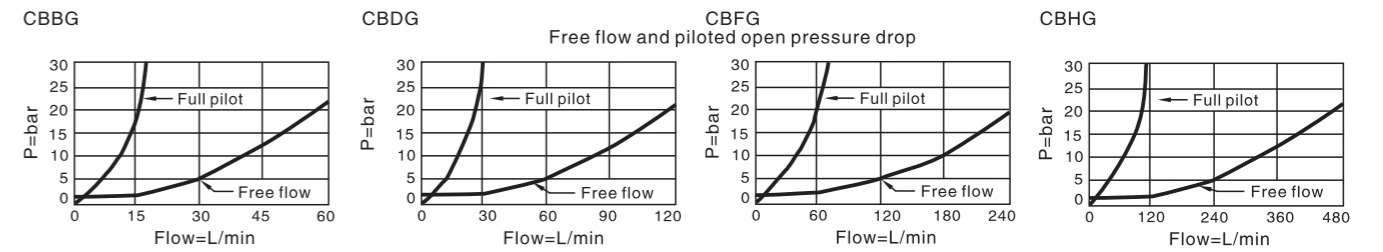
Restrictive, maximum setting pressure 350 bar, pilot ratio 4.5:1.

Code symbol , profile and specifications



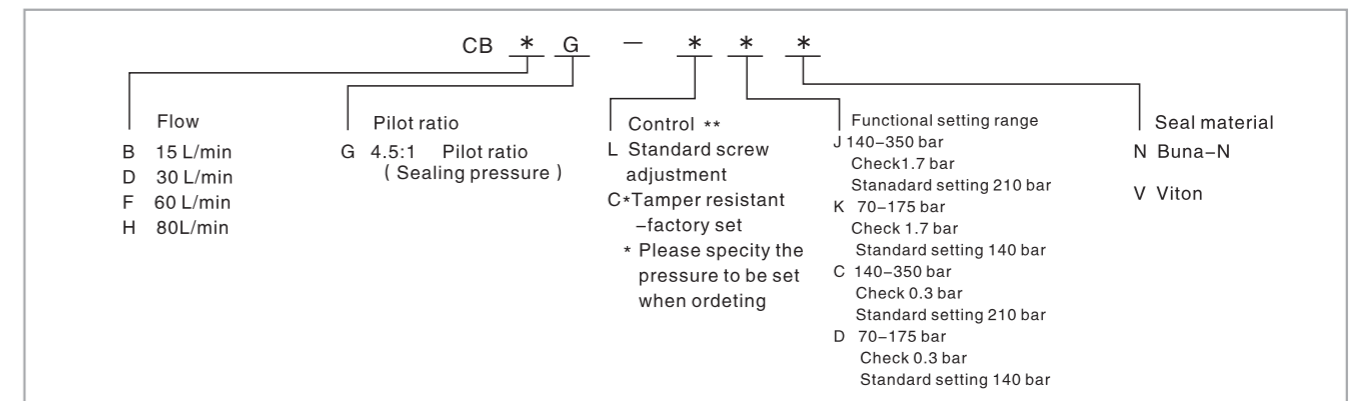
Flow	Model	Cavity	Size				Torque (Nm)
			a	b	L	C	
15 L/min	CBBG-LJN	T-11A	35,1	22,2	50,0	58,2	45-50
30 L/min	CBDG-LJN	T-2A	35,1	28,6	60,5	63,5	60-70
60 L/min	CBFG-LJN	T-17A	46,0	31,8	69,9	84,1	200-215
80 L/min	CBHG-LJN	T-19A	63,5	41,3	89,9	103,9	465-500

Pressure drop vs.flow



- When the valve is set at the maximum pressure of 350 bar, the load pressure it can bear is 270 bar.
- Maximum internal leakage during reseating=0,4 cc/min.
- The factory set pressure is set with a flow of 30 cc/mln.
- Reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure.
- Restrictive valves have no relief capacity other than as a thermal relief.
- Two check valve cracking pressures are available. Use the 25 psi (1,7 bar) check unless actuator cavitation is a concern.

Order model

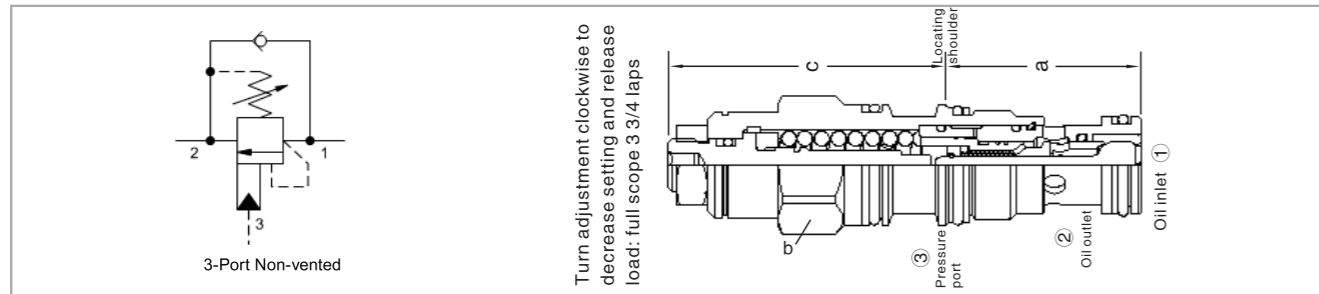


Counterbalance Valve

Description

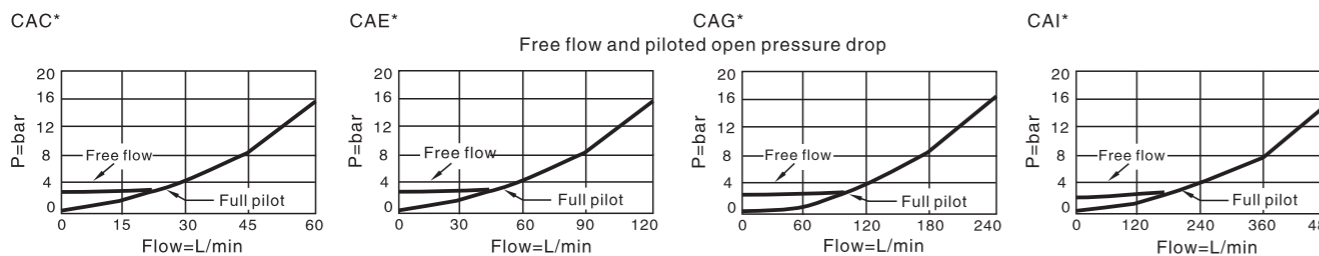
Vented counterbalance valve—atmospherically referenced, pilot ratio 3:1, 5:1, 1:1, 2:1.

Code symbol , profile and specifications



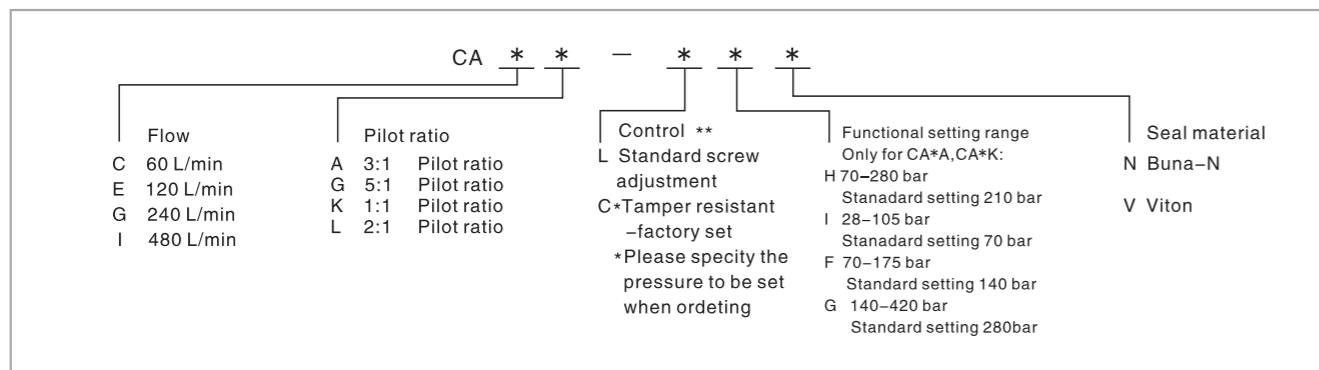
Flow	Model	Cavity	Size				Torque (Nm)
			a	b	L	C	
60 L/min	CACA-LHN	T-11A	35,1	22,2	73,4	82,6	45-50
120 L/min	CAEA-LHN	T-2A	35,1	28,6	83,6	89,9	60-70
240 L/min	CAGA-LHN	T-17A	46,0	31,8	95,0	100,8	200-215
480 L/min	CAIA-LHN	T-19A	63,5	41,3	116,3	126	465-500

Pressure drop vs.flow



- When CA*A, CA*K is set at pressure of 280 bar, the load pressure it can bear is 215 bar.
- When CA*A, CA*K is set at pressure of 420 bar, the load pressure it can bear is 320 bar.
- Maximum internal leakage during reseating=0,4 cc/min.
- The opening pressure of check valve =CAC*:2.8 bar, CAE*, CAG*:1.7 bar, CAI*:1.5 bar.
- The factory set pressure is set with a flow of 30 cc/mln.
- Reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.
- Approximately 1 drop (0,07 cc) of fluid will pass from the pilot area to the vented spring chamber every 4000 cycles.

Order model

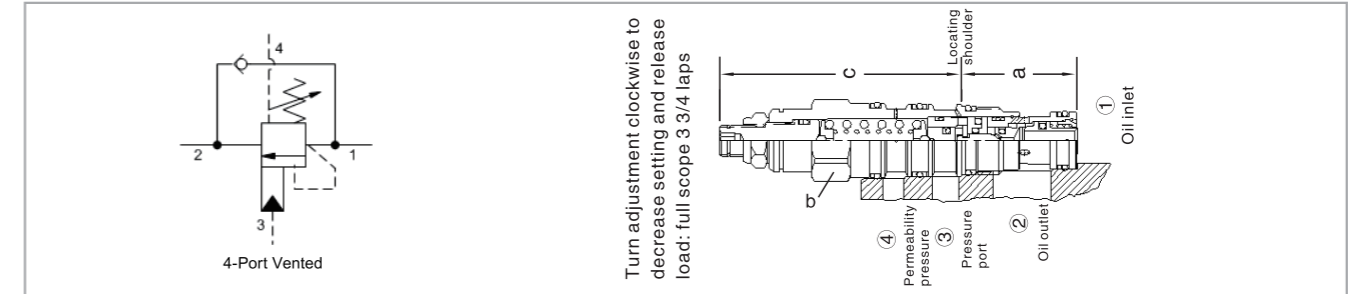


Counterbalance Valve

Description

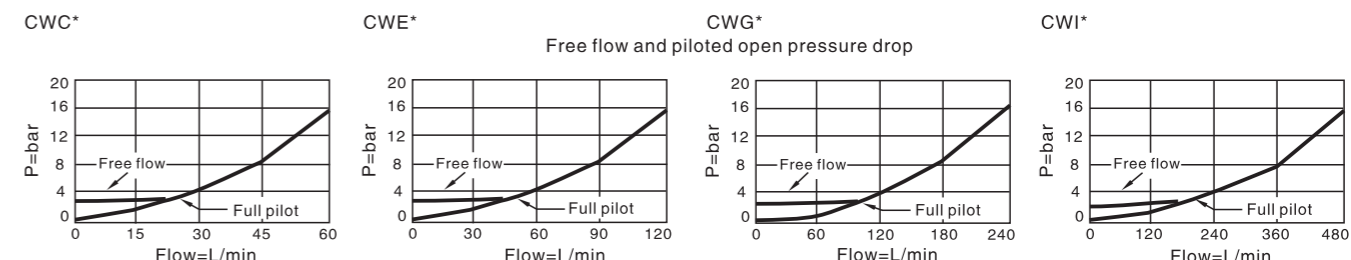
Vented counterbalance valve—atmospherically referenced, maximum setting pressure 280 bar, pilot ratio 3:1, 1:1.

Code symbol , profile and specifications



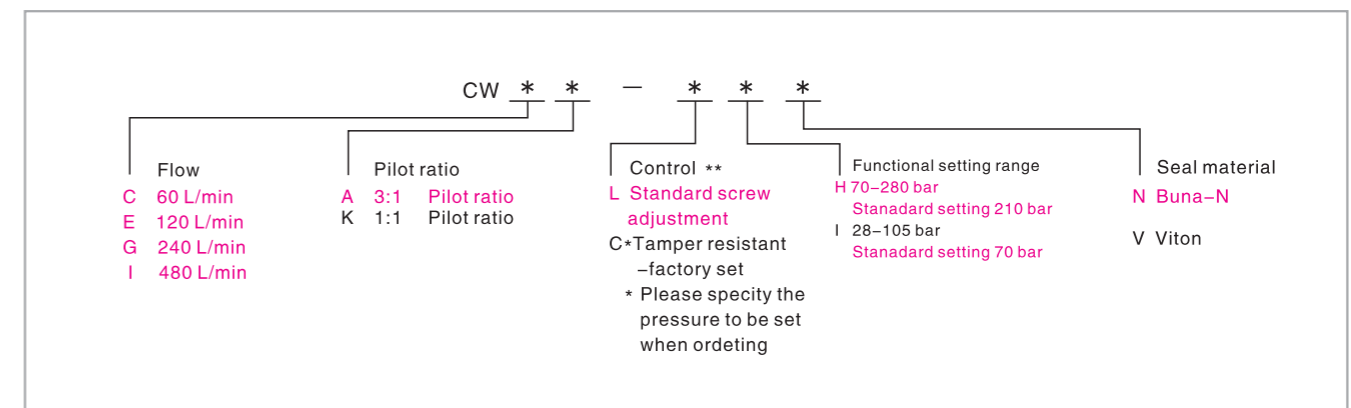
Flow	Model	Cavity	Size				Torque (Nm)
			a	b	L	C	
60 L/min	CWCA-LHN	T-21A	34,9	22,2	74,0	82,6	40-50
120 L/min	CWEA-LHN	T-22A	34,9	28,6	84,0	90,0	60-70
240 L/min	CWGA-LHN	T-23A	46,0	31,8	95,3	101,0	200-215
480 L/min	CWIA-LHN	T-24A	63,5	41,3	117,0	126,0	465-500

Pressure drop vs.flow



- When the valve is set at the maximum pressure of 280 bar, the load pressure it can bear is 215 bar.
- Maximum internal leakage during reseating=0,4 cc/min.
- The opening pressure of check valve =CWC*:2.8bar, CWE*, CWG*:1.7bar, CWI*:1.5bar.
- The factory set pressure is set with a flow of 30cc/mln.
- Reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.

Order model



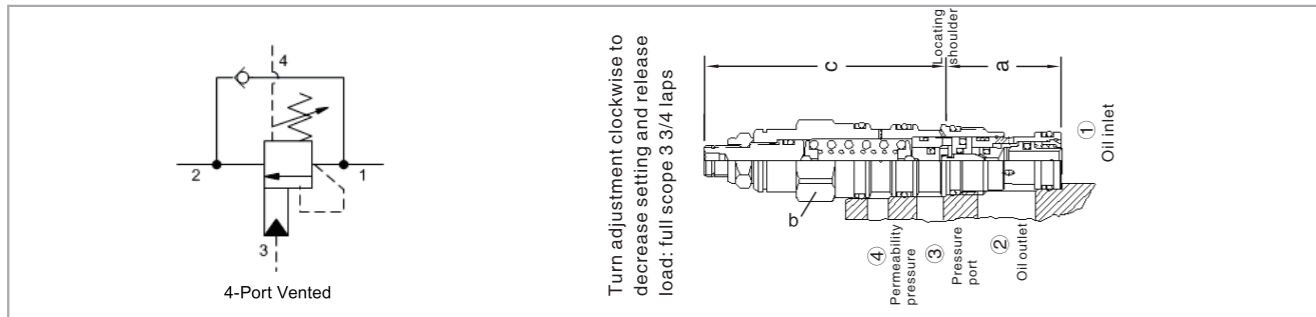
Counterbalance Valve



Description

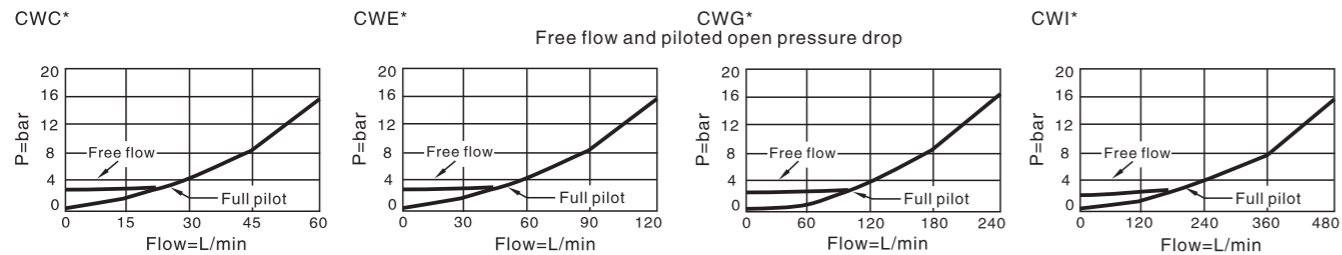
Vented counterbalance valve—atmospherically referenced, maximum setting pressure 420 bar, pilot ratio 5:1, 2:1.

Code symbol , profile and specifications



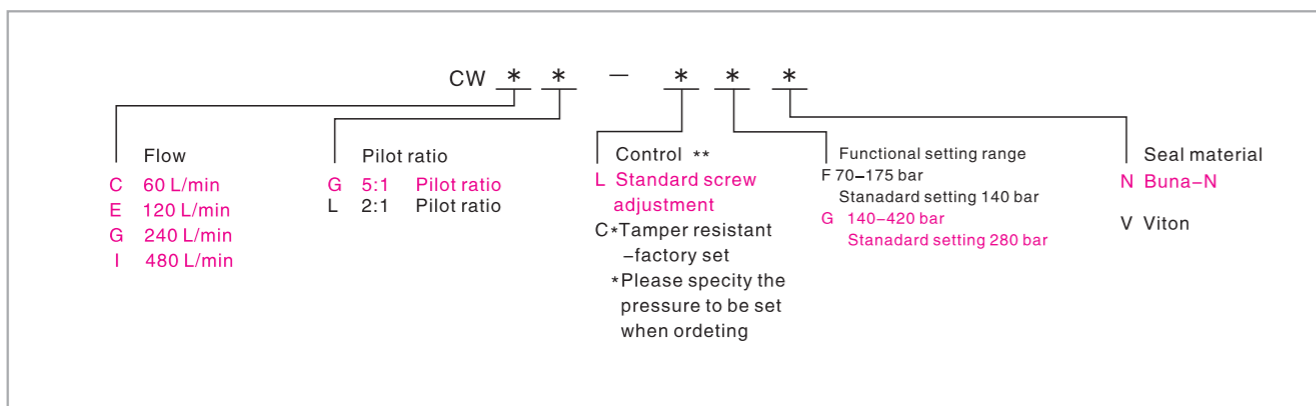
Flow	Model	Cavity	Size				Torque (Nm)
			a	b	L	C	
60 L/min	CWCG-LFN	T-21A	35,0	22,2	74,0	82,6	40-50
120 L/min	CWEG-LFN	T-22A	35,0	28,6	83,6	90,0	60-70
240 L/min	CWGG-LFN	T-23A	46,0	31,8	93,3	101,0	200-215
480 L/min	CWIG-LFN	T-24A	63,5	41,3	117,0	126,0	465-500

Pressure drop vs. flow



- When the valve is set at the maximum pressure of 420 bar, the load pressure it can bear is 320 bar.
- Maximum internal leakage during reseating=0,4 cc/min.
- The opening pressure of check valve =CWC*:2.8 bar, CWE*,CWG*:1.7 bar, CWI*:1.5 bar.
- The factory set pressure is set with a flow of 30 cc/min.
- Reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.

Order model



Coil

