

CASH VALVE TYPES CP/CP2 COMPRESSOR PILOT VALVES

SELECTION GUIDE

Example:	CP-	Z	A	S	S	010	Z	F	-	01	D	1
Model												
CP-	CP valve	CPV	CP-V valve (vacuum service)									
CP2	CP2 valve	CPR	CP valve reverse acting									
Body material												
Z	Brass											
G	SST (CP, CP2 only)											
Valve size												
A	¼"		C	½" (CP2 only)								
B	⅜" (CP2 only)											
Connection type												
S	Side inlet - side outlet (SI-SO)					D	Side inlet - side outlet - bottom outlet (SI-SO-BO)					
B	Side inlet - bottom outlet (SI-BO)											
Options												
S	Standard					P	Panel mount					
M	Mounting thread in body					N	No bleed orifice (reverse action only)					
C	Clean out plug (SI-SO-BO only)											
Output ratio												
010	1.0 to 1 (CP or CP2)	023	2.3 to 1 (CP2)	038	3.8 to 1 (CP2)	114	11.4 to 1 (CP2)					
011	1.1 to 1 (CP or CP2)	025	2.5 to 1 (CP)	041	4.1 to 1 (CP)	135	13.5 to 1 (CP)					
013	1.3 to 1 (CP)	027	2.7 to 1 (CP)	044	4.4 to 1 (CP)	216	21.6 to 1 (CP2)					
016	1.6 to 1 (CP2)	028	2.8 to 1 (CP2)	050	5.0 to 1 (CP2)	RVA	Reverse action (CPR)					
017	1.7 to 1 (CP)	032	3.2 to 1 (CP2)	052	5.2 to 1 (CP)	VAC	Vacuum (CPV)					
018	1.8 to 1 (CP)	033	3.3 to 1 (CP)	074	7.4 to 1 (CP)							
020	2.0 to 1 (CP)	035	3.5 to 1 (CP)	105	10.5 to 1 (CP2)							
Spring chamber												
A	Aluminum (CP, CPV, CPR only)					G	316 SST (CP2 only)					
Z	Brass											
Adjusting screw												
F	Fillister head (CP, CPR, CPV only)					T	T-handle (requires option for panel mount) (CP, CP2)					
H	Hex head					W	Handwheel (requires option for panel mount) (CP)					
Design revision												
(-)	Original design											
Variation												
01	Catalog standard											
02	Teflon gaskets											
Spring material												
D	Steel											
E	SST											
Set pressure												
Refer to table below												

STANDARD SPRING RANGES (PSIG)

Spring Material	Model	1	2	3	4	5	6	7
Steel	CP	40-90	40-125	75-175	----	----	----	----
	CP	15-65	40-100	75-175	100-250	200-400	200-600	300-600
SST	CPR	100-150	75-175	100-250	140-200	200-450	300-600	----
	CP-2	0-30	40-80	80-150	50-275	100-275	200-400	300-600
	CPV (in/hg)	1-30	----	----	----	----	----	----

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