

CASH VALVES CRYOGENIC VALVES AND CONTROLS

TYPE B SELECTION GUIDE

Example	B	Z	A	C	S	S	Z	T	S	01	-	E	1
Model													
B B valve													
Material of construction													
Z Bronze													
Valve size													
A ¼"													
B ⅜"													
C ½"													
D ¾"													
E 1"													
F 1¼"													
G 1½"													
H 2"													
Service													
C Cryogenic													
F Final line gas [O ₂ clean adder required]													
Body style/connection style													
S Side inlet/side outlet - straight thru w/ NPT connections													
B Side inlet/side outlet - straight thru w/ BSPT connections													
C Side inlet/side outlet - straight thru w/ copper tube connections [⅜" only]													
Spring chamber style													
S Standard													
D w/ pressure screw cap and differential connection													
Diaphragm material													
B Buna-N (final line)													
Z Bronze (cryo)													
Seat material													
B Buna-N (final line)													
T Teflon (cryo)													
Pressure screw style													
S Standard													
Variation													
01 Standard													
Design revision													
(-) Indicates original design													
Spring material													
D Steel (final line gas)													
E SST (cryo)													
Spring range													
Refer to table below													

STANDARD SPRING RANGES (psig)

Spring Material	Size	1	2	3	4	5	6
SST	¼"	10 - 30	25 - 100	50 - 200	100 - 250	----	----
	⅜"	10 - 50	40 - 150	100 - 250	----	----	----
	½"	10 - 30	20 - 75	25 - 125	100 - 200	150 - 250	----
	¾"	10 - 30	20 - 70	30 - 100	50 - 150	100 - 225	150 - 250
	1"	10 - 35	20 - 60	50 - 100	50 - 150	100 - 250	----
	1¼", 1½"	10 - 30	20 - 40	35 - 80	75 - 150	----	----
Steel	2"	5 - 20	10 - 50	20 - 100	----	----	----
	¼"	2 - 25	20 - 60	30 - 100	50 - 150	----	----
	⅜"	2 - 30	20 - 70	40 - 110	90 - 150	----	----
	½"	2 - 30	10 - 50	30 - 125	50 - 150	----	----
	¾"	2 - 20	10 - 35	30 - 75	50 - 110	105 - 150	----
	1"	2 - 20	10 - 45	20 - 60	55 - 100	90 - 150	----
	1¼", 1½"	2 - 15	10 - 30	20 - 50	45 - 100	90 - 150	----
2"	2 - 20	10 - 60	20 - 100	90 - 150	----	----	