

CASH VALVES CRYOGENIC VALVES AND CONTROLS

FR SERIES SELECTION GUIDE

Example	FR-	Z	A	W	S	S	Z	Z	B	H	01	-	E	1
Model														
FR- FR														
FR6 FR-6														
Material of construction														
Z Bronze (FR, FR-6)														
G 316 SST (FR, FR-6)														
Valve size														
C 1/2"														
D 3/4"														
E 1"														
F 1 1/4"														
G 1 1/2"														
H 2"														
Service														
C Cryogenic service														
Body/connection style														
S 2 side inlets/bottom outlet - w/ NPT connections														
Spring chamber style														
S Standard														
C w/ pressure screw cap														
D w/ differential connection														
V Vented														
W Vent in wall / no cap														
Spring chamber material														
Z Bronze														
G 316 Stainless steel														
Diaphragm material														
Z Bronze (cryo)														
G 316 Stainless steel (cryo)														
Body seat material														
E 303 Stainless steel														
G 316 Stainless steel														
Z Brass														
Pressure screw style														
S Standard														
Variation														
04 303 Stainless steel trim w/ Teflon O-ring and teflon diaphragm gasket (ball seat, seat ring)														
14 316 Stainless steel trim w/ Teflon O-ring and teflon diaphragm gasket (ball seat, seat ring)														
Design revision														
(-) Indicates original design														
Spring material														
E Stainless steel														
Spring range														
Refer to tables below														

STANDARD SPRING RANGES (psig)

Spring Material	Type	Size	1	2	3	4	5	6
SST	FR	1/2"	0 - 20	10 - 50	40 - 90	75 - 200	100 - 300	100 - 400
		3/4"	0 - 10	0 - 15	10 - 70	50 - 175	100 - 265	----
		1"	0 - 15	10 - 35	20 - 75	40 - 200	50 - 250	----
	FR-6	1 1/4"	0 - 15	10 - 30	20 - 85	40 - 125	50 - 250	----
		1 1/2", 2"	0 - 15	5 - 20	10 - 55	30 - 100	40 - 160	100 - 250
		1/2"	200 - 600	----	----	----	----	----
		3/4", 1", 1 1/4", 1 1/2", 2"	200 - 400	----	----	----	----	----