

# CASH VALVE™ SERIES FR BACK PRESSURE VALVES

## SELECTION GUIDE

Example:	FR-	Z	A	W	T	C	Z	Z	B	S	01	-	D	1
<b>Model</b>														
<b>FR6</b>	FR-6													
<b>FR1</b>	FR-10													
<b>FR-</b>	FR													
<b>Material of construction</b>														
<b>Z</b>	Bronze (FR, FR-6)	<b>G</b>	316 SST (FR, FR-6)											
<b>F</b>	Iron (FR, FR-10)													
<b>Valve size</b>														
<b>C</b>	1/2"	<b>F</b>	1 1/4"											
<b>D</b>	3/4"	<b>G</b>	1 1/2"											
<b>E</b>	1"	<b>H</b>	2"											
<b>Service</b>														
<b>W</b>	Water/air service													
<b>Body/connection style</b>														
<b>S</b>	2 side inlets/bottom outlet - w/NPT connections (Standard)													
<b>B</b>	2 side inlets/bottom outlet - w/BSPT connections (Special)													
<b>E</b>	1 side inlet/bottom outlet - w/NPT connections (standard body with one side plugged)													
<b>Spring chamber style</b>														
<b>S</b>	Standard													
<b>C</b>	W/pressure screw cap													
<b>D</b>	W/pressure screw cap and differential connection													
<b>V</b>	Vented													
<b>I</b>	W/pressure screw cap and inverse differential connection (lower pressure plate)													
<b>L</b>	W/pressure screw cap and dome load connection (no pressure spring)													
<b>Spring chamber material</b>														
<b>Z</b>	Bronze	<b>G</b>	316 Stainless steel											
<b>F</b>	Iron													
<b>Diaphragm material</b>														
<b>B</b>	Buna-N	<b>M</b>	Monel®											
<b>Z</b>	Bronze (FR and FR-6 only)	<b>V</b>	Viton® (FR10 only)											
<b>G</b>	316 Stainless steel (FR and FR-6 only)	<b>L</b>	Buna-N w/ Teflon diaphragm liner											
<b>Body seat material</b>														
<b>E</b>	303 Stainless steel	<b>Z</b>	Brass											
<b>G</b>	316 Stainless steel													
<b>Pressure screw style</b>														
<b>S</b>	Standard	<b>T</b>	T-handle											
<b>Variation</b>														
<b>01</b>	Standard (303 Stainless steel trim) (elastomer diaphragms only)													
<b>02</b>	303 Stainless steel trim w/Buna-N O-ring and Aramid fiber diaphragm gasket (metal diaphragms only)													
<b>03</b>	303 Stainless steel trim w/Teflon O-ring and Aramid fiber diaphragm gasket (metal diaphragms only)													
<b>04</b>	303 Stainless steel trim w/Teflon O-ring and Teflon diaphragm gasket (metal diaphragms only) (FR-10 has Teflon diaphragm liner in place of gasket)													
<b>05</b>	303 Stainless Steel Trim w/ Viton® O-Ring & Aramid fiber diaphragm gasket (metal diaphragms only)													
<b>11</b>	316 Stainless steel trim (elastomer diaphragms only)													
<b>12</b>	316 Stainless steel trim w/Buna-N O-ring and Aramid fiber diaphragm gasket (metal diaphragms only)													
<b>13</b>	316 Stainless steel trim w/Teflon O-ring and Aramid fiber diaphragm gasket (metal diaphragms only)													
<b>14</b>	316 Stainless steel trim w/Teflon O-ring and Teflon diaphragm gasket (metal diaphragms only) (FR-10 has Teflon diaphragm liner in place of gasket)													
<b>15</b>	316 Stainless Steel Trim w/Viton® O-ring & Aramid fiber diaphragm gasket (metal diaphragms only)													
<b>31</b>	Nitralloy trim (elastomer diaphragms only)													
<b>32</b>	Nitralloy trim w/Buna-N O-ring and Aramid fiber diaphragm gasket (metal diaphragms only)													
<b>Design revision</b>														
<b>(-)</b>	Indicates original design													
<b>Spring material</b>														
<b>D</b>	Carbon steel (water/air)	<b>E</b>	Stainless steel (optional)											
<b>Spring range</b>														
	Refer to tables on the next page													

## CASH VALVE™ SERIES FR BACK PRESSURE VALVES

### STANDARD SPRING RANGES (PSIG)

Type	Spring material	Size	1	2	3	4	5	6	7
FR	Steel	1/2"	0-25	25-45	5-50	30-100	75-175	150-400	----
		3/4"	0-10	5-20	10-50	20-110	30-200	100-250	150-400
		1"	0-20	10-35	20-90	40-125	50-230	175-380	300-400
		1 1/4"	0-15	10-30	20-85	50-230	175-380	300-400	----
		1 1/2", 2"	0-10	5-20	10-55	30-100	40-200	125-300	200-400
	SST	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	----	----
		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	----

### STANDARD SPRING RANGES (PSIG)

Type	Spring material	Size	1	2	3	4	5
FR-10	Steel	1/2"	0-25	5-50	30-100	75-175	100-250
		3/4"	0-10	10-50	20-110	30-150	100-250
		1", 1 1/4"	0-20	20-90	40-125	50-250	----
		1 1/2", 2"	0-10	10-55	30-100	40-200	125-250
	SST	1/2"	0-20	10-50	40-90	75-200	100-250
		3/4"	0-10	10-70	50-175	100-250	----
		1", 1 1/4"	0-15	10-75	40-200	50-250	----
		1 1/2", 2"	0-15	10-55	30-100	40-160	100-250

### STANDARD SPRING RANGES (PSIG)

Type	Spring material	Size	1
FR-6	Steel	All sizes	200-600
	SST	1/2"	200-600
		3/4", 1", 1 1/4", 1 1/2", 2"	200-400