

Flowjack Float Valve Operating Pressure Chart

Clapper Valve Size	Code	Float Arm Type	Float Arm Size	Float type	Rated max pressure		Ultimate max pressure *	
					Kpa	Psi	Kpa	Psi
1"	FJ055	Rigid	300mm	7 inch poly ball float	550	80	850	123
		Rigid	300mm	8.5 inch poly ball float	1100	160	1400	203
	FJ084	Rigid	300mm	9.5 inch poly ball float	1200	174	1750	253
	FJ037	Rigid	400mm	8.5 inch poly ball float	1500	217	2000	290
	FJ036	Rigid	400mm	9.5 inch poly ball float	1800	260	2400	348
	FJ178	Flexible	300mm	7 inch poly ball float with float chain	300	43	380	55
		Flexible	300mm	8.5 inch poly ball float with float chain	500	72	850	123
		Flexible	300mm	9.5 inch poly ball float with float chain	600	87	1440	208
	FJ108	Flexible	380mm	7 inch poly ball float with float chain	400	58	490	71
	FJ107	Flexible	380mm	8.5 inch poly ball float with float chain	550	80	1300	188
	FJ106	Flexible	380mm	9.5 inch poly ball float with float chain	1300	145	1700	217
	FJ112	Flexible	380mm	7 inch poly ball float <u>without</u> float chain	620	90	896	130
	FJ111	Flexible	380mm	8.5 inch poly ball float <u>without</u> float chain	1400	203	1750	253
	FJ110	Flexible	380mm	9.5 inch poly ball float <u>without</u> float chain	1550	224	2150	311
1 1/2" LP (Low Pressure)	FJ180	Rigid	300mm	7 inch poly ball float	150	21.5	200	29
		Rigid	300mm	8.5 inch poly ball float	325	47	450	65
		Rigid	300mm	9.5 inch poly ball float	400	58	650	94
	FJ054	Rigid	400mm	7 inch poly ball float	200	29	250	36
		Rigid	400mm	8.5 inch poly ball float	350	51	550	80
		Rigid	400mm	9.5 inch poly ball float	550	80	750	109
		Flexible	300mm	7 inch poly ball float with float chain	100	14.5	150	22
		Flexible	300mm	8.5 inch poly ball float with float chain	200	29	260	37.5
		Flexible	300mm	9.5 inch poly ball float with float chain	260	37.5	420	61
	FJ181	Flexible	380mm	7 inch poly ball float with float chain	125	18	200	29
	FJ116	Flexible	380mm	8.5 inch poly ball float with float chain	225	32.5	250	36
	FJ115	Flexible	380mm	9.5 inch poly ball float with float chain	250	36	450	65
		Flexible	380mm	7 inch poly ball float <u>without</u> float chain	170	25	212	31
	FJ119	Flexible	380mm	8.5 inch poly ball float <u>without</u> float chain	297	43	467	68
	FJ118	Flexible	380mm	9.5 inch poly ball float <u>without</u> float chain	467	68	637	92
1 1/2" HP (High Pressure)		Rigid	300mm	7 inch poly ball float	350	50.5	400	58
		Rigid	300mm	8.5 inch poly ball float	600	87	1300	188
		Rigid	300mm	9.5 inch poly ball float	850	123	1600	232
		Rigid	400mm	7 inch poly ball float	380	55	440	63
		Rigid	400mm	8.5 inch poly ball float	900	130	1500	217.5
	FJ172	Rigid	400mm	9.5 inch poly ball float	1250	181	1650	239
	FJ170	Flexible	300mm	7 inch poly ball float with float chain	250	36	350	51
		Flexible	300mm	8.5 inch poly ball float with float chain	580	84	700	101.5
		Flexible	300mm	9.5 inch poly ball float with float chain	650	94	1150	167
		Flexible	380mm	7 inch poly ball float with float chain	400	58	500	72.5
		Flexible	380mm	8.5 inch poly ball float with float chain	625	90.5	950	137.5
		Flexible	380mm	9.5 inch poly ball float with float chain	850	123	1150	167
		Flexible	380mm	7 inch poly ball float <u>without</u> float chain	360	52	420	62
		Flexible	380mm	8.5 inch poly ball float <u>without</u> float chain	550	80	990	130.5
	FJ171	Flexible	380mm	9.5 inch poly ball float <u>without</u> float chain	600	87	1250	181
2" LP (Low Pressure)	FJ179	Rigid	300mm	7 inch poly ball float	80	11.5	110	16
		Rigid	300mm	8.5 inch poly ball float	120	17.5	160	23
		Rigid	300mm	9.5 inch poly ball float	260	37.5	340	49
	FJ053	Rigid	400mm	7 inch poly ball float	100	14.5	150	21.5
		Rigid	400mm	8.5 inch poly ball float	225	32.5	265	38.5
		Rigid	400mm	9.5 inch poly ball float	260	37.5	380	55
	FJ052	Rigid	400mm	9.5 inch poly ball float	260	37.5	380	55

2" LP (Low Pressure)		Flexible	300mm	7 inch poly ball float with float chain	60	8.7	100	14.5
		Flexible	300mm	8.5 inch poly ball float with float chain	100	14.5	150	22
		Flexible	300mm	9.5 inch poly ball float with float chain	130	19	200	29
		Flexible	380mm	7 inch poly ball float with float chain	50	7	60	8.5
	FJ123	Flexible	380mm	8.5 inch poly ball float with float chain	90	13	150	21.5
	FJ122	Flexible	380mm	9.5 inch poly ball float with float chain	100	14.5	200	29
	FJ126	Flexible	380mm	8.5 inch poly ball float <u>without</u> float chain	200	29	225	33.5
	FJ125	Flexible	380mm	9.5 inch poly ball float <u>without</u> float chain	220	32	300	43.5
2" HP (High Pressure)		Rigid	300mm	8.5 inch poly ball float	500	72.5	750	108
		Rigid	300mm	9.5 inch poly ball float	590	85.5	1050	152
		Rigid	400mm	8.5 inch poly ball float	700	101	1100	159
	FJ139	Rigid	400mm	9.5 inch poly ball float	750	108	1450	210
		Flexible	300mm	7 inch poly ball float with float chain	200	29	350	50.5
		Flexible	300mm	8.5 inch poly ball float with float chain	350	50.5	650	94
		Flexible	300mm	9.5 inch poly ball float with float chain	500	72.5	900	130.5
		Flexible	380mm	8.5 inch poly ball float with float chain	450	65	700	101
	FJ142	Flexible	380mm	9.5 inch poly ball float with float chain	600	87	1050	152
		Flexible	380mm	7 inch poly ball float <u>without</u> float chain	300	43.5	520	75.5
		Flexible	380mm	8.5 inch poly ball float <u>without</u> float chain	600	87	900	130
	FJ138	Flexible	380mm	9.5 inch poly ball float <u>without</u> float chain	800	116	1050	152
	FJ133	Flexible	380mm	Stainless steel float <u>without</u> float chain	500	72	850	123

Flowjack 3" Float Valve Operating Pressure Chart

Valve type		Float type	Rated max pressure		Ultimate max pressure *	
			Kpa	Psi	Kpa	Psi
High Pressure	FJ098	Standard stainless steel float	434	63	552	80
Low Pressure	FJ021/ FJ152	Standard stainless steel float	60	9	135	19.5
		Poly shell float upright	55	8	145	21
	FJ141/ FJ137/ FJ094	Poly shell float upside down	75	11	170	24.5

***If the valve is operated above the rated maximum pressure we cannot guarantee it will perform correctly in all situations.**

Note: One foot in height of water = 0.433 psi.

For example: If the water level in the tank is 20 feet above the outlet in the trough, this is equal to 8.67 psi at the trough outlet.