

TLV® FREE FLOAT AND OTHER FLOAT STEAM TRAP DISCHARGE CAPACITIES

Iron Body Models

Model	Size (in)	ΔPMX	Series No.	Pressure: ΔP/psi														Unit: lb/hr	
				0.5	1	2	5	15	30	50	75	100	125	150	200	250	300		
J3X JF3X	1/2 3/4 1	15	J(F)3X-1	445	560	720	990	1460											
		30	J(F)3X-2	335	425	540	740	1080	1380										
		75	J(F)3X-5	245	315	405	570	850	1100	1330	1540								
		150	J(F)3X-10	140	185	245	350	530	700	860	1000	1120	1220	1310					
		250	JF3X-18	100	135	180	260	405	530	650	770	860	940	1010	1140	1240			
J5X JF5X	3/4 1 1 1/2 2	300	J3X-21	98	125	170	245	380	500	610	720	810	880	950	1070	1170	1250		
		30	J(F)5X-2	600	750	930	1240	1750	2180										
		75	J(F)5X-5	500	620	760	990	1370	1680	1950	2200								
		150	J(F)5X-10	285	360	455	610	890	1130	1340	1530	1690	1820	1940					
		300	J5X-21	140	185	245	355	550	730	900	1060	1190	1310	1410	1580	1730	1870		
JS7X J7X	1 1 1/2 2	35	J(S)7X-2.5	2500	3040	3690	4760	6470	7850	(35) 8200									
		75	J(S)7X-5	1600	1950	2390	3130	4320	5290	6140	6910								
		150	J(S)7X-10	940	1180	1490	2010	2900	3650	4320	4940	5440	5860	6220					
		200	J(S)7X-14	730	930	1170	1590	2300	2910	3450	3950	4350	4690	4990	5490				
		250	J(S)7X-18	660	830	1050	1430	2070	2610	3100	3550	3910	4210	4470	4930	5310			
J7.2X	1 1/2	15	J7.2X-1	7330	8800	10560	13440	17950											
		30	J7.2X-2	4540	5450	6540	8330	11120	13340										
		75	J7.2X-5	2380	3000	3790	5160	7460	9420	11190	12820								
		150	J7.2X-10	1590	2020	2550	3480	5060	6400	7610	8730	9620	10380	11040					
		200	J7.2X-14	1140	1470	1890	2660	3980	5140	6210	7200	8010	8700	9300	10340				
J7.5X	1 1/2 2	250	J7.2X-18	910	1190	1540	2170	3290	4270	5180	6030	6720	7310	7830	8720	9480			
		15	J7.5X-1	10220	14620	20900	28120	34640											
		30	J7.5X-2	7230	10330	14760	19790	24540	29230										
		75	J7.5X-5	3820	5300	7340	9640	12420	15760	18770	21580								
		150	J7.5X-10	2310	3310	4750	6320	8080	10320	12360	14260	15780	17080	18210					
J8X	2 3	200	J7.5X-14	1820	2640	3810	5110	6550	8380	10060	11620	12870	13940	14870	16480				
		250	J7.5X-18	1470	2130	3080	4120	5310	6910	8390	9780	10910	11880	12730	14190	15450			
		15	J8X-1	16220	22000	29820	39000	47520											
		30	J8X-2	9860	13350	18080	23780	29240	38480										
		75	J8X-5	5510	7470	10120	13280	16250	21010	25350	29430								
SJ3+	3/4 1	150	J8X-10	3990	5230	6860	8830	10810	13830	16580	19130	21190	22930	24460					
		200	J8X-14	3130	4170	5570	7220	8760	11250	13530	15660	17370	18830	20110	22320				
		250	J8X-18	2410	3280	4460	5890	7240	9320	11230	13020	14460	15690	16770	18630	20210			
		15	SJ3-1	275	385	530	810	1360											
		30	SJ3-2	180	250	345	530	880	1230										
SJ5+	3/4 1 1 1/4	75	SJ3-5	92	125	175	270	455	620	790	960								
		150	SJ3-10	55	76	105	160	270	375	475	570	660	730	800					
		200	SJ3-14	44	61	85	130	215	300	380	460	530	580	640	730				
		15	SJ5-1	690	910	1180	1670	2540											
		30	SJ5-2	475	610	800	1120	1700	2210										
SJ6+	1 1/2 2	75	SJ5-5	270	355	465	660	1010	1330	1620	1900								
		150	SJ5-10	170	220	290	410	620	810	990	1150	1290	1400	1500					
		200	SJ5-14	135	180	235	335	510	670	820	960	1070	1170	1260	1410				
		15	SJ6-1	1690	2280	3070	4560	7320											
		30	SJ6-2	1140	1540	2080	3080	4930	6640										
SJ7+	1 1/2 2	75	SJ6-5	650	870	1180	1740	2800	3770	4690	5590								
		150	SJ6-10	405	550	740	1090	1750	2360	2940	3490	3950	4350	4700					
		200	SJ6-14	355	480	650	960	1540	2070	2570	3060	3460	3810	4120	4660				
		15	SJ7-1	3080	4200	5740	8660	14180											
		30	SJ7-2	2010	2740	3730	5620	9180	12500										
J10	4	75	SJ7-5	1010	1380	1890	2840	4650	6340	7970	9550								
		150	SJ7-10	590	800	1100	1660	2720	3710	4660	5590	6360	7030	7630					
		200	SJ7-14	500	690	940	1420	2330	3180	4000	4800	5470	6040	6550	7460				
JL9X	2	230	J10-30	-	-	-	(7) 15090	23660	31190	36000	40350	43740	46570	49020	53150	(230) 55280			
		230	J10-60	-	-	-	(7) 41300	55740	70210	83230	95260	104840	112930	120000	132060	(230) 138360			
JL14-X	3	150	JL9X-10	-	12070	14240	17730	23050	27210	30740	33870	36280	38270	39970					
		250	JL9X-18	-	10090	11890	14760	19130	22530	25420	27970	29930	31550	32940	35250	37160			
GT5C	1	75	JL14-X-10	-	30000	36890	48470	67240	82670	96270	103620	118360	126490	133560					
		250	JL14-X-18	-	25860	31730	41580	57490	70540	82010	88210	100620	107460	112360	123450	131850			
GT10L	1, 1 1/2	150	GT5C*	240	330	445	670	1080	1470	1840	2200								
GT10	2	150	GT10L*	-	(1.5) 4000	4480	6460	10000	13180	16150	18980	21280	23260	25010					
GT14L	1, 1 1/2	200	GT10*	-	(1.5) 10700	12140	18140	29350	39770	49740	59410	67390	74310	80480					
GT14M	1 1/2	200	GT14L*	-	(1.5) 5000	5300	7350	11000	13500	16000	19000	21000	22000	24000	26000				
GT14	2	200	GT14M*	-	(1.5) 7400	8000	10500	15000	17500	20000	22000	24000	25000	27000	30000				
	2	200	GT14*	-	(1.5) 8920	10140	15250	24870	33860	42510	50910	57870	63910	69310	78780				

* Trap only capacity as part of GT Series Pump/Trap + Three-point seating type
Note: Not all sizes are available for certain connections; see the model's specifications data sheet (SDS) for details.

Steel Body Models

Model	Size (in)	ΔPMX	Series No.	Pressure: ΔP/psi											Unit: lb/hr		
				1	5	15	30	50	75	100	150	200	250	300	450		
J3S-X+	1/2	30	J3S-X-2	600	970	1360	1680										
		75	J3S-X-5	430	720	1020	1260	1490	1690								
	3/4	150	J3S-X-10	215	405	610	800	970	1130	1260	1470						
		200	J3S-X-14	175	320	490	640	780	910	1010	1180	1320					
		300	J3S-X-21	145	270	415	540	660	770	870	1020	1140	1240	1330			
J5S-X+	3/4	30	J5S-X-2	890	1390	1880	2280										
		75	J5S-X-5	590	960	1350	1660	1940	2200								
	1	150	J5S-X-10	340	610	920	1180	1430	1660	1840	2140						
		200	J5S-X-14	285	510	770	990	1200	1390	1550	1800	2000					
		300	J5S-X-21	195	365	550	710	870	1010	1130	1320	1470	1600	1710			
J6S-X+	1/2	30	J6S-X-2	1480	2930	4680	6280										
		75	J6S-X-5	760	1490	2350	3130	3870	4570								
	3/4	150	J6S-X-10	465	900	1410	1870	2300	2710	3050	3600						
		230	J6S-X-16	320	620	970	1280	1580	1860	2090	2460	2770	(230) 2930				
		300	J6S-X-21	250	480	750	990	1210	1430	1610	1890	2130	2330	2500			
J6S-X+	1	30	J6S-X-2	2200	4020	6070	7880										
		75	J6S-X-5	1130	2080	3140	4080	4940	5750								
	3/4	150	J6S-X-10	690	1260	1900	2470	2990	3490	3880	4250						
		230	J6S-X-16	480	870	1320	1720	2080	2420	2700	3140	3500	(230) 2690				
		300	J6S-X-21	370	680	1020	1330	1610	1870	2090	2430	2710	2950	3160			
JH3S-X+	1/2	30	JH3S-X-2	590	880	1160	1380										
		75	JH3S-X-5	390	610	840	1020	1180	1320								
	3/4	150	JH3S-X-10	185	350	530	700	860	1010	1130	1320						
		200	JH3S-X-14	165	310	480	630	770	900	1010	1180	1320					
		315	JH3S-X-22	125	225	340	440	530	620	680	800	890	960	1030	(315) 1050		
450	JH3S-X-32	94	165	250	320	385	445	495	570	630	690	730	760				
JH5SL-X+	3/4	75	JH5SL-X-5	590	960	1350	1660	1940	2200								
		150	JH5SL-X-10	340	610	920	1180	1430	1660	1840	2140						
	1	315	JH5SL-X-22	195	365	550	710	870	1010	1130	1320	1470	1600	1710	(315) 1740		
		450	JH5SL-X-32	145	255	375	480	570	660	730	840	930	1000	1070	1110		
		75	JH5RL-X-5	590	960	1350	1660	1940	2200								
JH5RL-X+	1/2	150	JH5RL-X-10	340	610	920	1180	1430	1660	1840	2140						
		200	JH5RL-X-14	280	500	760	980	1190	1390	1540	1790	2000					
	3/4	315	JH5RL-X-22	195	365	550	710	870	1010	1130	1320	1470	1600	1710	(315) 1740		
		450	JH5RL-X-32	145	255	375	480	570	660	730	840	930	1000	1070	1110		
		75	JH7RL-X-5	1950	3130	4320	5290	6140	6910								
JH7RL-X+	1	150	JH7RL-X-10	1190	2020	2910	3660	4330	4950	5440	6220						
		200	JH7RL-X-14	930	1590	2300	2910	3450	3950	4350	4990	5490					
	1/2	315	JH7RL-X-22	640	1110	1610	2050	2440	2800	3090	3550	3910	4220	4490	(315) 4570		
		450	JH7RL-X-32	475	820	1180	1490	1770	2030	2240	2570	2830	3050	3280	3390		
		30	JH7.2R-X-2	5710	8460	11060	13100										
JH7.2R-X	1/2	75	JH7.2R-X-5	3040	5220	7570	9560	11360	13020								
		150	JH7.2R-X-10	2200	3700	5270	6590	7760	8850	9710	11060						
	1	200	JH7.2R-X-14	1450	2660	4040	5250	6370	7430	8280	9650	10760					
		315	JH7.2R-X-22	1030	1850	2770	3560	4290	4970	5520	6400	7110	7710	8240	(315) 8390		
		450	JH7.2R-X-32	730	1320	1980	2550	3070	3560	3950	4580	5090	5520	5900	6850		
JH7.5R-X	1/2	30	JH7.5R-X-2	10580	20610	25810	30610										
		75	JH7.5R-X-5	5550	10420	13610	17030	20080	22890								
	1	150	JH7.5R-X-10	3630	6890	8800	11250	13490	15580	17250	19930						
		200	JH7.5R-X-14	2910	5510	7050	9030	10830	12510	13860	16010	17740					
		315	JH7.5R-X-22	1990	3760	4810	6170	7410	8580	9510	11000	12200	13210	14110	(315) 14360		
450	JH7.5R-X-32	1420	2690	3440	4410	5300	6140	6810	7880	8740	9470	10110	11700				
JH7.5RE-X+	1/2	150	JH7.5RE-X-10	3630	6890	8800	11250	13490	15580	17250	19930						
		200	JH7.5RE-X-14	2910	5510	7050	9030	10830	12510	13860	16010	17740					
	1	315	JH7.5RE-X-22	1990	3760	4810	6170	7410	8580	9510	11000	12200	13210	14110	(315) 14360		
		450	JH7.5RE-X-32	1420	2690	3440	4410	5300	6140	6810	7880	8740	9470	10110	11700		
		30	JH8R-X-2	13890	24130	30950	40000										
JH8R-X	2	75	JH8R-X-5	7930	13880	17630	22410	26740	30770								
		150	JH8R-X-10	5440	9030	11490	14590	17400	20020	22110	25430						
	3	200	JH8R-X-14	4370	7440	9550	12140	14470	16650	18390	21150	23360					
		315	JH8R-X-22	3000	5330	6840	8730	10450	12060	13350	15390	17030	18430	19650	(315) 19990		
		450	JH8R-X-32	2080	3680	4760	6080	7270	8390	9280	10700	11830	12800	13640	15730		
JLH9X	2	150	JLH9X-10	12070	17730	23050	27210	30740	33870	36280	39970						
		250	JLH9X-18	10090	14760	19130	22530	25420	27970	29930	32940	35250	37160				
		450	JLH9X-32	8050	12050	15880	18900	21490	23790	25570	28310	30430	32180	33690	37300		
JLH14-X	3	150	JLH14-X-10	30000	48470	67240	82670	96270	108630	118360	133560						
		250	JLH14-X-18	25860	41580	57490	70540	82010	92430	100620	113400	123450	131850				

* Three-point seating type

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Note: Not all sizes are available for certain connections; see the model's specifications data sheet (SDS) for details.

Steel Body Models

(Continued)

Model	Size (in)	ΔPMX	Series No.	Pressure: ΔP/psi																Unit: lb/hr	
				1	5	15	30	50	75	100	150	200	250	300	450	600	900	1500	1740		
JH3S-B+	1/2	3/4	30	JH3S-B-2	210	445	730	1000													
			75	JH3S-B-5	125	260	430	590	740	890											
			150	JH3S-B-10	84	170	275	370	465	550	630	750									
			200	JH3S-B-14	63	130	210	285	360	435	490	590	670								
			315	JH3S-B-22	48	100	160	220	280	335	385	460	520	580	630	(315) 640					
			450	JH3S-B-32	31	65	105	145	185	220	250	300	345	380	415	495					
JH5SL-B+	3/4	3/4	30	JH5SL-B-2	510	980	1280	1570													
			75	JH5SL-B-5	270	560	760	970	1190	1390											
			150	JH5SL-B-10	185	400	560	730	900	1060	1190	1400									
			315	JH5SL-B-22	93	195	280	365	450	530	600	720	810	890	960	(315) 980					
			450	JH5SL-B-32	66	140	205	270	335	395	445	520	590	640	690	820					
			600	JH5SL-B-40	55	115	165	215	265	315	355	425	480	530	570	680	760				
JH5SH-B+	3/4	3/4	650	JH5SL-B-46	31	65	93	120	150	175	200	240	270	295	320	380	430	(650) 445			
			925	JHSH-B-65	21	43	60	80	100	115	135	160	180	195	215	255	285	340	(925) 345		
JH5RL-B+	3/4	1	30	JH5RL-B-2	510	980	1280	1570													
			75	JH5RL-B-5	270	560	760	970	1190	1390											
			150	JH5RL-B-10	185	400	560	730	900	1060	1190	1400									
			200	JH5RL-B-14	150	305	420	560	700	830	940	1120	1260								
			315	JH5RL-B-22	93	195	280	365	450	530	600	720	810	890	960	(315) 980					
			450	JH5RL-B-32	66	140	205	270	335	395	445	520	590	640	690	820					
JH5RH-B+	3/4	3/4	600	JH5RL-B-40	55	115	165	215	265	315	355	425	480	530	570	680	760				
			650	JH5RL-B-46	31	65	93	120	150	175	200	240	270	295	320	380	430	(650) 445			
JH7RL-B+	1	1 1/2	1150	JH5RH-B-80	15	31	43	58	72	86	97	115	130	140	155	180	205	245	(1150) 270		
			30	JH7RL-B-2	2690	5210	6720	8420													
			75	JH7RL-B-5	1470	3000	3770	4640	5590	6480											
			150	JH7RL-B-10	980	1890	2390	2970	3630	4250	4750	5570									
			200	JH7RL-B-14	770	1490	1880	2340	2860	3350	3750	4390	4910								
			315	JH7RL-B-22	325	1040	1310	1620	1980	2320	2600	3050	3420	3730	4000	(315) 4080					
JH7RM-B+	3/4-2	2	450	JH7RL-B-32	370	720	910	1140	1390	1630	1820	2140	2390	2610	2810	3290					
			600	JH7RL-B-40	325	630	800	1000	1220	1430	1610	1880	2110	2300	2470	2900	3240				
JH7RH-B+	1	2	650	JH7RL-B-46	200	390	495	620	760	890	990	1160	1300	1420	1530	1790	2010	(650) 2070			
			925	JH7RM-B-65	145	275	340	445	540	630	710	830	930	1020	1090	1280	1440	1680	(925) 1700		
JH7.2R-B	1 1/2	2	1150	JH7RH-B-80	89	155	160	230	290	355	410	500	570	640	700	850	980	1200	(1150) 1350		
			1500	JH7RH-B-100	54	100	130	160	180	220	255	315	360	405	440	540	620	760	970		
JH7.5R-B	1 1/2	2	600	JH7.2R-B-40	610	1100	1640	2110	2540	2940	3260	3780	4190	4540	4850	5620	6240				
			650	JH7.2R-B-46	540	960	1440	1850	2230	2590	2870	3330	3690	4010	4280	4960	5510	(650) 5670			
JH7.5RE-B+	1 1/2	2	600	JH7.5R-B-40	1140	2220	2840	3650	4390	5080	5630	6520	7230	7840	8370	9690	10740				
			650	JH7.5R-B-46	640	1240	1590	2040	2450	2840	3150	3650	4050	4380	4680	5420	6010	(650) 6190			
JH8R-B	2	3	710	JH7.5RE-B-50	640	1240	1590	2040	2450	2840	3150	3650	4050	4380	4680	5420	6010	(710) 6390			
			600	JH8R-B-40	1790	3160	3900	5020	6050	7010	7790	9020	10020	10870	11620	13460	14950				
JH7RH-W+	1	3	650	JH8R-B-46	950	1670	2040	2630	3170	3680	4080	4730	5260	5700	6090	7060	7840	(650) 8080			
			1500	JH7RH-W-100	54	100	130	160	180	220	255	315	360	405	440	540	620	760	970		
JH15	4	4	1740	JH7RH-W-120	33	63	83	100	110	135	160	195	225	250	275	335	385	470	610	650	
			300	JH15E-21	-	(7) 84040	107660	134870	159220	181650	199450	227550	249850	268640	285040						
			300	JH15M-21	-	(7) 44500	56890	71110	83830	95520	104790	119400	130990	140750	149260						
			300	JH15S-21	-	(7) 13640	17460	21850	25790	29410	32280	36810	40410	43440	46080						
			650	JH15E-46	-	(7) 84040	107660	134870	159220	181650	199450	227550	249850	268640	285040	325190	357060	(650) 366470			
			650	JH15M-46	-	(7) 44500	56890	71110	83830	95520	104790	119400	130990	140750	149260	170080	186590	(650) 191460			
GT5C	1	75	GT5C*	330	670	1080	1470	1840	2200												
GT10L	1, 1 1/2	150	GT10L*	(1.5) 4000	6460	10000	13180	16150	18980	21280	25010										
GT10	2, 3	150	GT10*	(1.5) 10700	18140	29350	39770	49740	59410	67390	80480										
GT14L	1, 1 1/2	200	GT14L*	(1.5) 5900	7350	11000	13500	16000	19000	21000	24000	26000									
GT14M	1 1/2	200	GT14M*	(1.5) 7400	10500	15000	17500	20000	22000	24000	27000	30000									
GT14	2, 3	200	GT14*	(1.5) 8920	15250	24870	33860	42510	50910	57870	69310	78780									

* Trap only capacity as part of GT Series Pump/Trap + Three-point seating type

Continued next page

Note: Not all sizes are available for certain connections; see the model's specifications data sheet (SDS) for details.

Steel Body Models

(Continued)

Model	Size (in)	ΔPMX	Series No.	Pressure: ΔP/psi														Unit: lb/hr		
				1	5	15	30	50	75	100	150	200	250	300	450	600	900		1500	
SS1N/V+	1/2 -1	150	SS1NL/H-10	40	83	135	185	235	280	320	385									
			SS1NL/H-18	35	72	115	160	205	245	280	335	380	420							
			SS1NL/H-21	32	67	105	150	185	225	255	305	350	385	420						
			SS1VL/H-10	49	100	165	230	290	345	395	475									
			SS1VL/H-18	35	72	115	160	205	245	280	335	380	420							
			SS1VL/H-21	32	67	105	150	185	225	255	305	350	385	420						
SS3N/V+	1/2 -1	150	SS3N/V-10	49	100	165	230	290	345	395	475									
			SS3N/V-18	35	72	115	160	205	245	280	335	380	420							
			SS3N/V-21	32	67	105	150	185	225	255	305	350	385	420						
SS3-E/P/EP	1/2, 3/4	85	SS3-E	99	155	210	260	300	335	(85) 350										
			SS3-P	99	155	210	260	300	335	(85) 350										
			SS3-EP	99	155	210	260	300	335	(85) 350										
SS5N/V+	1/2 -1	150	SS5N/V-10	150	320	530	720	910	1100	1260	1510									
			SS5N/V-32	62	125	210	290	365	440	500	600	690	760	830	1000					
SS5N/VH+	1/2 -1	650	SS5N/VH-46	27	58	96	130	165	200	225	270	310	345	375	450	510	(650) 530			
SS5-P/EP	1, 1 1/2	85	SS5-P	330	520	710	870	1000	1120	(85) 1160										
			SS5-EP	330	520	710	870	1000	1120	(85) 1160										
FS3+	1/2 -1	150	FS3-10	49	100	165	230	290	345	395	475									
			FS3-18	35	72	115	160	205	245	280	335	380	420							
			FS3-21	32	67	105	150	185	225	255	305	350	385	420						
FS5+	1/2 -1	150	FS5-10	150	320	530	720	910	1100	1260	1510									
			FS5-21	81	165	275	380	480	580	660	790	900	1000	1090						
			FS5-32	62	125	210	290	365	440	500	600	690	760	830	1000					
FS5H+	1/2 -1	650	FS5H-46	27	58	96	130	165	200	225	270	310	345	375	450	510	(650) 530			
SH5NL+	1/2 -1	650	SH5NL-46	53	100	160	215	265	315	355	420	475	520	560	660	740	(650) 770			
			SH5NL-65	35	70	110	145	180	215	245	290	325	360	390	460	520	610	(925) 820		
SH5NH+	3/4	1150	SH5NH-80	26	51	81	105	135	160	180	210	240	260	285	335	380	450	(1150) 500		
SH5VL+	1/2 -1	650	SH5VL-46	53	100	160	215	265	315	355	420	475	520	560	660	740	(650) 770			
			SH5VL-65	35	70	110	145	180	215	245	290	325	360	390	460	520	610	(925) 820		
SH6NL+	1	650	SH6NL-46	125	250	405	550	690	820	930	1110	1260	1390	1500	1800	2040	(650) 2110			
			SH6NL-65	67	135	220	300	375	445	500	600	680	760	820	980	1110	1330	(925) 1340		
SH6NH+	3/4, 1	1500	SH6NH-100	35	71	115	155	195	230	265	315	360	395	425	510	580	690	860		

+ Three-point seating type

Note: Not all sizes are available for certain connections; see the model's specifications data sheet (SDS) for details.

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is approved by LRQA Ltd. to ISO 9001/14001

ISO 9001/ISO 14001

