

Boiler Feed Pumps for Steam Heating Systems

Sterling 5000 Series High Capacity Boiler Feed Pumps

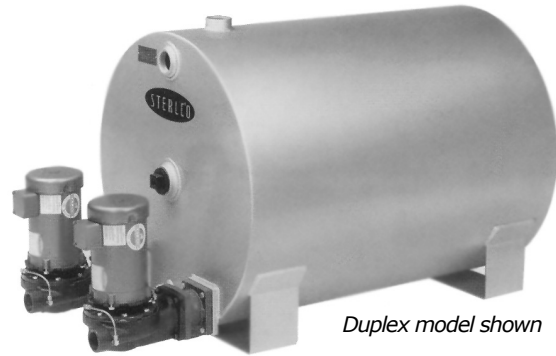
These floor mounted, high-capacity boiler feed pumps are the POPULAR BIG ones. They weigh less, and are less expensive, than the elevated models. Shipped direct from the factory to you. Allow 2 to 3 weeks for delivery.

■ **Receiver:** Minimum 3/16" heavy steel construction. Sizes ranging from 125 gallons up to 714 gallons. Narrow diameter, up to 250 gallons fit through standard door openings.

■ **Motors:** Heavy-duty, ball bearing, close-coupled pump motors with stainless steel shaft. 3450 RPM operation: Select from 1-phase (115V, field-convertible to -230V), or 3-phase (208-230/460V) electrical connection.

■ **Make-up Water Valve:** Mechanical, plug mounted valve with stainless steel float. Rated up to 45 PSI inlet water pressure. At pressures exceeding 45 PSI, a PRV is required on the inlet cold water line.

■ **Operation:** Boiler feed pump(s) are controlled by a water level controller mounted on the boiler. If condensate is lost or delayed in the system, it is automatically replaced in the receiver through the make-up water valve.



Duplex model shown



Isolation Valves Included!

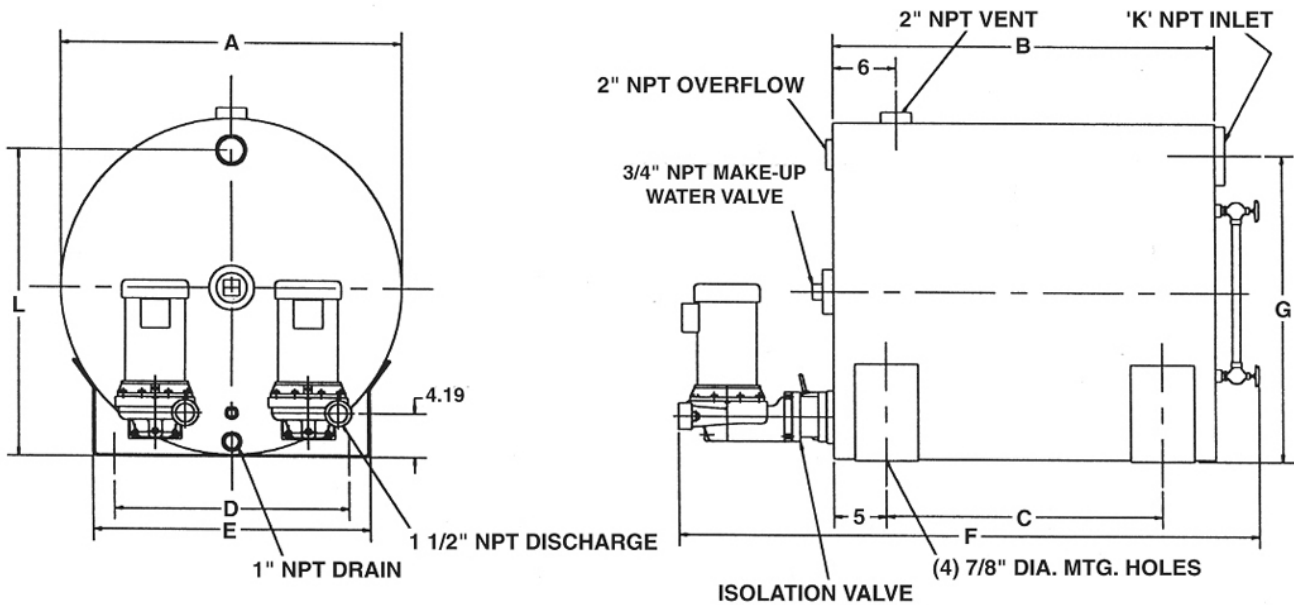
Isolation valves are standard equipment on these 5000 series boiler feed pumps.

Pump repair is so much easier when you can isolate the pump from the receiver tank: Simply close the isolation valve and remove the pump for repair!

The valve is installed between the pump and the steel tank.

Boiler HP Range	Pump Discharge Pressure	Pump GPM Capacity	Motor HP	Tank Size (gals.)	Simplex Models				Duplex Models			
					Model No.	1 phase Model	3 phase Model	Weight (lbs.)	Model No.	1 phase Model	3 phase Model	Weight (lbs.)
100 to 150	20 psi	25	3/4	125	502150-JF	ST7000	ST7005	570	502150-JDF	ST7010	ST7015	665
	30		1		503150-JF	ST7020	ST7025	590	503150-JDF	ST7030	ST7035	685
	40		1-1/2		504150-JF	ST7040	ST7045	600	504150-JDF	ST7050	ST7055	695
	50		2		505150-JF	ST7060	ST7065	615	505150-JDF	ST7070	ST7075	710
150 to 200	20	30	3/4	146	502200-JF	ST7080	ST7085	635	502200-JDF	ST7090	ST7095	690
	30		1		503200-JF	ST7100	ST7105	640	503200-JDF	ST7110	ST7115	730
	40		1-1/2		504200-JF	ST7120	ST7125	650	504200-JDF	ST7130	ST7135	750
	50		2		505200-JF	ST7140	ST7145	670	505200-JDF	ST7150	ST7155	770
200 to 250	20	35	3/4	175	502250-JF	ST7160	ST7165	800	502250-JDF	ST7170	ST7175	870
	30		1		503250-JF	ST7180	ST7185	805	503250-JDF	ST7190	ST7195	875
	40		1-1/2		504250-JF	ST7200	ST7205	815	504250-JDF	ST7210	ST7215	885
	50		2		505250-JF	ST7220	ST7225	840	505250-JDF	ST7230	ST7235	910
250 to 300	20	45	1	210	502300-JF	ST7240	ST7245	830	502300-JDF	ST7250	ST7255	920
	30		1-1/2		503300-JF	ST7260	ST7265	835	503300-JDF	ST7270	ST7275	930
	40		1-1/2		504300-JF	ST7280	ST7285	840	504300-JDF	ST7290	ST7295	940
	50		2		505300-JF	ST7300	ST7305	860	505300-JDF	ST7310	ST7315	980
300 to 400	20	55	1-1/2	250	502400-JF	ST7320	ST7325	900	502400-JDF	ST7330	ST7335	995
	30		1-1/2		503400-JF	ST7340	ST7345	905	503400-JDF	ST7350	ST7355	1005
	40		2		504400-JF	ST7360	ST7365	920	504400-JDF	ST7370	ST7375	1020
	50		5		505400-JF	ST7380	ST7385	930	505400-JDF	ST7390	ST7395	1030
400 to 500	20	70	2	326	502500-JF	ST7400	ST7405	975	502500-JDF	ST7410	ST7415	1070
	30		2		503500-JF	ST7420	ST7425	980	503500-JDF	ST7430	ST7435	1075
	40		3		504500-JF	ST7440	ST7445	990	504500-JDF	ST7450	ST7455	1085
	50		5		505500-JF	ST7460	ST7465	1045	505500-JDF	ST7470	ST7475	1140
500 to 600	20	85	2	395	502600-JF	ST7480	ST7485	1070	502600-JDF	ST7490	ST7495	1170
	30		3		503600-JF	ST7500	ST7505	1070	503600-JDF	ST7510	ST7515	1170
	40		5		504600-JF	ST7520	ST7525	1090	504600-JDF	ST7530	ST7535	1190
	50		5		505600-JF	ST7540	ST7545	1090	505600-JDF	ST7550	ST7555	1190
600 to 700	20	100	3	470	502700-JF	ST7560	ST7565	1235	502700-JDF	ST7570	ST7575	1335
	30		5		503700-JF	ST7580	ST7585	1245	503700-JDF	ST7590	ST7595	1345
	40		5		504700-JF	ST7600	ST7605	1245	504700-JDF	ST7610	ST7615	1345
	50		5		505700-JF	ST7620	ST7625	1290	505700-JDF	ST7630	ST7635	1395

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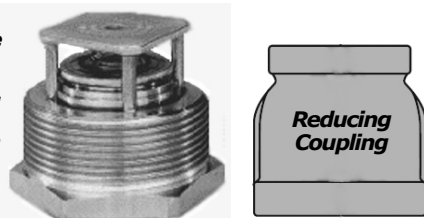
Dimension Guide for Sterling 5000 Series Boiler Feed Systems (inches)

Tank Size (gals.)	A	B	C	D	E	F	G	K	L
125	32	36	26	22	26	54.9	29.2	3	29.2
146	32	42	32	22	26	60.9	29.2	3	29.2
175	32	50	40	22	26	68.9	29.2	3	29.2
210	32	60	50	22	26	78.9	29.2	3	29.2
250	32	72	62	22	26	90.9	29.2	3	29.2
326	44	50	40	34	38	68.9	40.7	4	41.2
395	44	60	50	34	38	78.9	40.7	4	41.2
470	44	72	62	34	38	90.9	40.7	4	41.2
564	48	72	62	38	42	90.9	44.7	4	45.2
595	54	60	50	44	48	78.9	50.7	4	51.2
714	54	72	62	44	48	90.9	49.7	6	51.2

Stainless Steel, Spring-Loaded Check Valves for Boiler Feed Pumps

These Durabla brand stainless steel check valves are absolutely great in boiler feed applications. Standard bronze swing check valves pale in comparison to these long-lasting wonders of modern valve technology. When your boiler feed pump check valve fails, you have nothing but problems. Forget about it! Order the premium quality BSS Durabla valve.

Order both the Basic Valve and the corresponding Black Malleable Iron Reducing Coupling.



Screw the basic valve (above, made of solid 316SS stainless steel) into the appropriately sized reducing coupling to make a "complete" valve. Rated to 150 psi steam, 300 psi water.

Basic Valve			Reducing Coupling	
Model No.	Pipe Size	Order No.	Pipe Size	Order No.
BSS	3/4"	DP1020	3/4" x 1 1/2"	PM1325
	1"	DP1025	1" x 2"	PM1350
	1 1/4"	DP1030	1 1/4" x 2 1/2"	PM1364
	1 1/2"	DP1035	1 1/2" x 3"	PM1370
	2"	DP1040	2" x 4"	PM1385