

5000 SERIES



BOILER FEED UNITS STEEL TANK

ENERGY EFFICIENT DESIGN, PROVEN PERFORMANCE AND THE RIGHT SIZE FOR YOUR APPLICATION

Sterlco® Boiler Feed Pumps set new standards of performance. Reliable and efficient, each unit features heavy gauge, 3/16" steel receivers for long operating life. In addition, 3450 RPM motors assure maximum efficiency while maintaining minimum motor horsepower. Available in a wide range of sizes, these U.S. made pumps have just the right accessories and options to meet your unique needs. What's more, a nationwide network of stocking distributors means fast, easy, year-round access to pumps and replacement parts.

Features

- Heavy gauge steel receivers
- Simplex or duplex construction
- Bronze fitted centrifugal pumps
- Energy efficient 3450 RPM motors
- "Sterl-Seal" ceramic pump seal
- Heavy-duty make-up water valve
- Isolation valves
- Gauge glass



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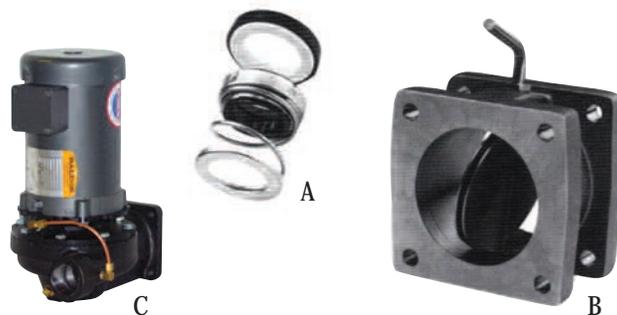


Built-In Features For Precise, Dependable Performance

- 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, ballbearing, close-coupled pump motors with stainless steel shaft. 3450 RPM for greater efficiency and more economical operation.
- 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.
- "SterlSeal" Pump Seal (A): Features the ultimate in ceramic technology for exceptionally long life. Because the seal runs on the bronze impeller hub, the motor shaft is literally outside the pump. Consequently, the shaft is not exposed to corrosion by condensate. Rated for temperatures up to 250°F.
- Isolation Valve (B): Standard on 5000-JF Series
- Centrifugal Pump (C): Offers a wide range of pressures and GPM. Unique design features provide for ease of servicing.



Shown with Optional Control Panel



Special Options

- Stainless steel receivers
- Electric alternator for duplex units
- Thermometer
- Solenoid operated make-up water valve with reverse acting float switch
- McDonnell-Miller #21 make-up water valve
- Special motor construction, such as totally enclosed and explosion proof, is available
- Complete NEMA 12 control panel
- 1750 RPM motors, larger pumping capacities and higher discharge pressures - consult factory



Complete NEMA 12 Control Panel (Optional)

Motor Circuit Protector, HOA Selector Switch, External Reset, Control Circuit Transformer, Pilot Light (pump running), Removable Mounting Plate and Terminal Strip in a Single NEMA 12 Enclosure, Mounted and Wired, with Single Point Power Connection.



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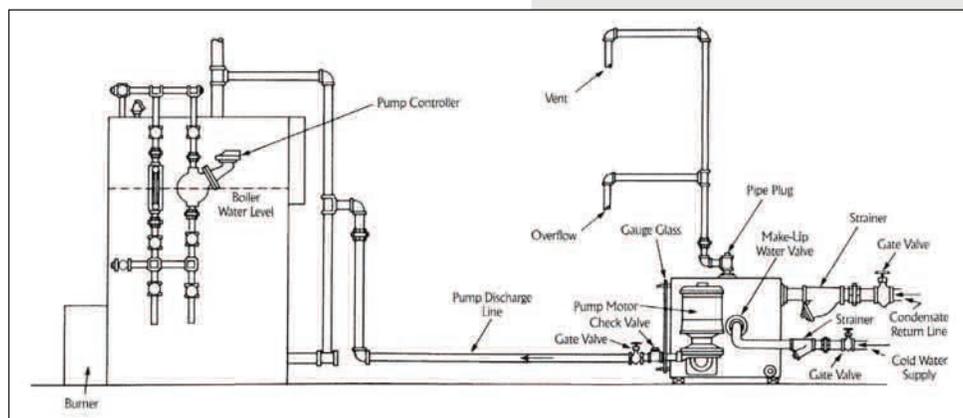
5000 Series Engineering and Capacity Data

Boiler HP	Discharge Pressure PSI	GPM	Motor HP	Rec. Cap., gallons	Simplex		Duplex	
					Model No.	Ship Weight	Model No.	Ship Weight
150	20	25	3/4	125	502150-JF	570	502150-JDF	665
	30		1		503150-JF	590	503150-JDF	685
	40		1 1/2		504150-JF	600	504150-JDF	695
	50		2		505150-JF	615	505150-JDF	710
200	20	30	3/4	146	502200-JF	635	502200-JDF	690
	30		1		503200-JF	640	503200-JDF	730
	40		1 1/2		504200-JF	650	504200-JDF	750
	50		2		505200-JF	670	505200-JDF	770
250	20	35	3/4	175	502250-JF	800	502250-JDF	870
	30		1		503250-JF	805	503250-JDF	875
	40		1 1/2		504250-JF	815	504250-JDF	885
	50		2		505250-JF	840	505250-JDF	910
300	20	45	1	210	502300-JF	830	502300-JDF	920
	30		1 1/2		503300-JF	835	503300-JDF	930
	40		1 1/2		504300-JF	840	504300-JDF	940
	50		2		505300-JF	860	505300-JDF	980
400	20	55	1 1/2	250	502400-JF	900	502400-JDF	995
	30		1 1/2		503400-JF	905	503400-JDF	1005
	40		2		504400-JF	920	504400-JDF	1020
	50		5		505400-JF	930	505400-JDF	1030
500	20	70	2	326	502500-JF	975	502500-JDF	1070
	30		2		503500-JF	980	503500-JDF	1075
	40		3		504500-JF	990	504500-JDF	1085
	50		5		505500-JF	1045	505500-JDF	1140
600	20	85	2	395	502600-JF	1070	502600-JDF	1170
	30		3		503600-JF	1070	503600-JDF	1170
	40		5		504600-JF	1090	504600-JDF	1190
	50		5		505600-JF	1090	505600-JDF	1190
700	20	100	2	470	502700-JF	1235	502700-JDF	1335
	30		5		503700-JF	1245	503700-JDF	1345
	40		5		504700-JF	1245	504700-JDF	1345
	50		5		505700-JF	1295	505700-JDF	1395

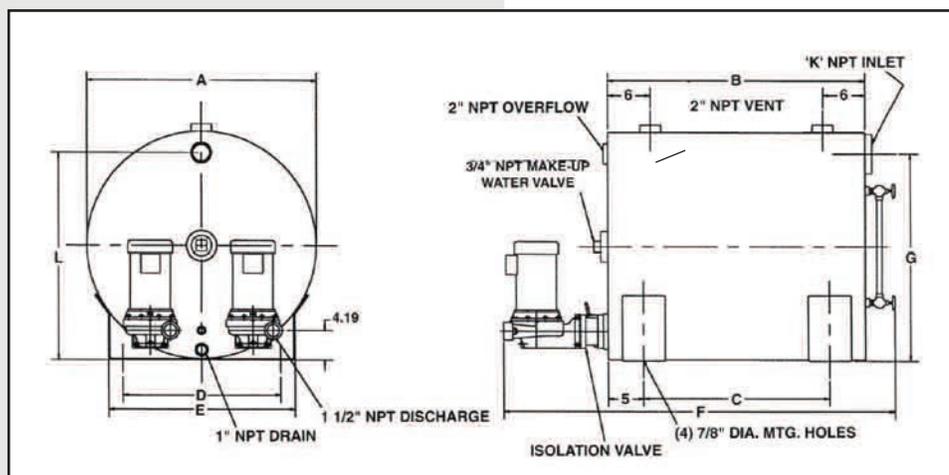
Sample Specification

Furnish and install, where indicated on plans, a Sterling 5000 Series (simplex, duplex, triplex...) boiler feed unit(s). Each pump shall deliver _____ GPM at a discharge pressure of _____ PSI. The unit(s) shall be factory assembled and tested by the pump manufacturer and shall include a receiver, pump(s), make-up water valve, gauge glass, isolation valve(s) and accessories. The receiver shall have a capacity of _____ gallons and be of minimum 3/16" steel

construction. Pump(s) shall be of the centrifugal type with two-piece enclosed brass impeller, cast iron housing, high temperature (250°F) mechanical seal and stainless steel motor shaft. The make-up water valve is to be a mechanical type with a stainless steel float. A flat perforated brass strainer shall be provided in the inlet to the pump from the tank. The motor(s) shall be vertical, 3450 RPM, _____ phase, _____ volt, 60 cycle, _____ H.P.



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Gallon	A	B	C	D	E	F	G	K	L
125	32	36	26	22	26	54.88	29.19	3	29.19
146	32	42	32	22	26	60.88	29.19	3	29.19
175	32	50	40	22	26	68.88	29.19	3	29.19
210	32	60	50	22	26	78.88	29.19	3	29.19
250	32	72	62	22	26	90.88	29.19	3	29.19
326	44	50	40	34	38	68.88	40.69	4	41.19
395	44	60	50	34	38	78.88	40.69	4	41.19
470	44	72	62	34	38	90.88	40.69	4	41.19
564	48	72	62	38	42	90.88	44.69	4	45.19
595	54	60	50	44	48	78.88	50.69	4	51.19
714	54	72	62	44	48	90.88	49.69	6	51.19



STERLCO® PRODUCTS INCLUDE:

- HAND RADIATOR VALVES • THERMOSTATIC TRAPS • FLOAT AND THERMOSTATIC TRAPS
- INVERTED BUCKET TRAPS • CAST IRON STRAINERS • BRASS STRAINERS • BOILER FEED UNITS
- TANK AND PROCESS TEMPERATURE CONTROL VALVES • CONDENSATE PUMPS