

hot water for concrete production

 **PEARSON SYSTEMS** 
TEMPERATURE CONTROL FOR CONCRETE PRODUCTION



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Jamieson Equipment Company
www.jamiesonequipment.com
toll free 800.875.0280

PEARSON HOT WATER

WITH MORE FEATURES, PERFORMANCE, RELIABILITY

DESIGN APPROVED BY MOST STATE AND LOCAL GOVERNMENTS

- ✓ NO BOILER INSPECTION REQUIRED
- ✓ NO COSTLY RETUBING
- ✓ NO WATER TREATMENT NECESSARY
- ✓ NO BUILDING NEEDED
- ✓ DESIGNED FOR OUTDOORS

**HEATS UP TO
120,000 GALS/DAY**

STAINLESS STEEL
HIGH WATER
FLOAT SENSOR

COMBUSTION
AREA

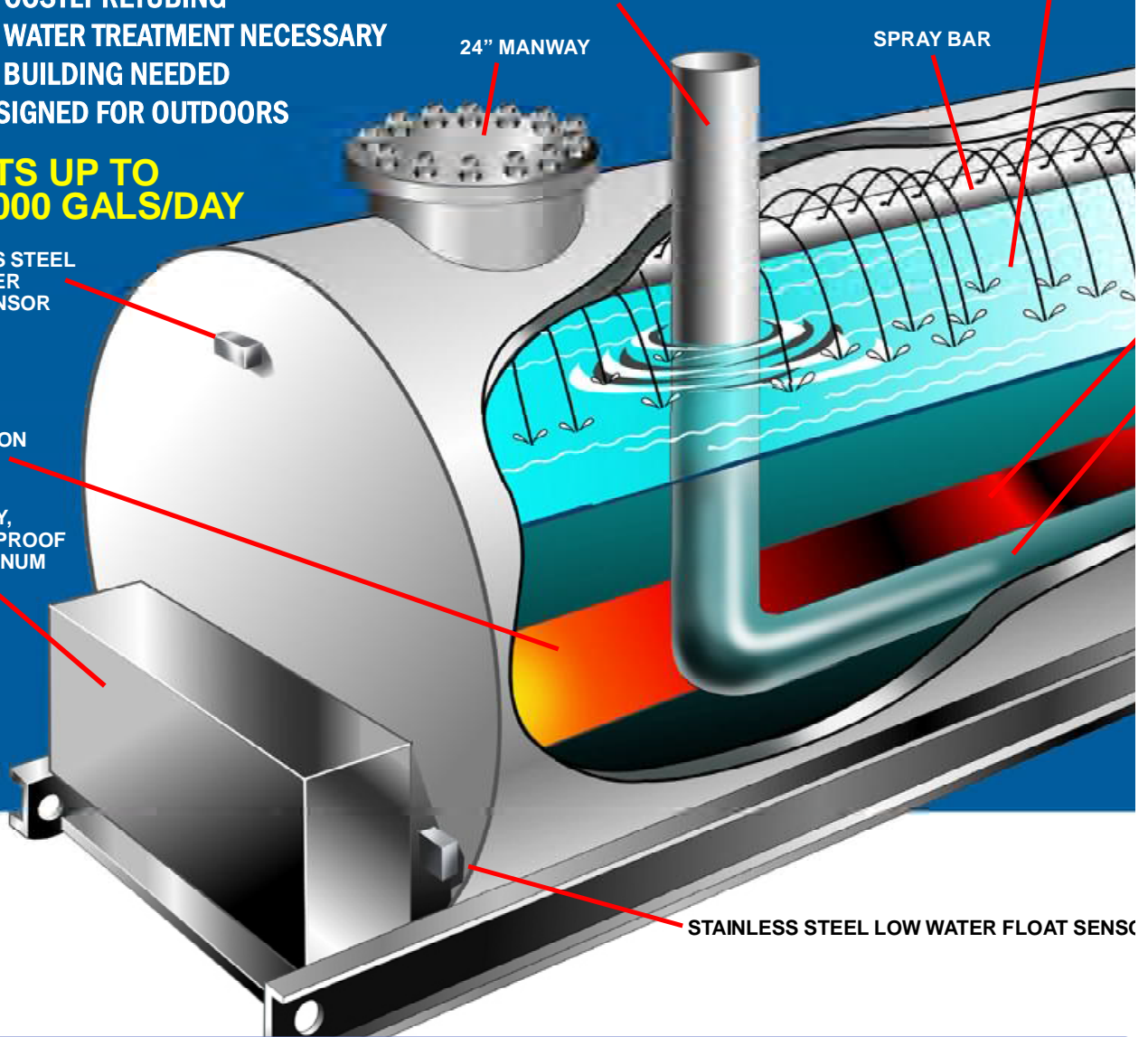
EIGHT-WAY,
WEATHERPROOF
.032 ALUMINUM
COVER

EXHAUST FLUE

COLD WATER DISSIPATION AREA
(TO MAINTAIN A CONSTANT TEMPERATURE)

24" MANWAY

SPRAY BAR



STAINLESS STEEL LOW WATER FLOAT SENSOR



Exclusive

POWER FLAME BURNER

LO-FIRE WITH SMOOTH LIGHTOFF/PULSATION FREE/UL APPROVED

- Solid state timer controls for lo-fire and hi-fire operations
- Pre-purge and delayed oil start
- Factory wired burner
- Mounted control panel
- Patented flame retention head design
- Flanged mounted
- All burners pretested
- Electric ignition as standard

OPERATES ON NO. 2 OIL, NATURAL GAS, PROPANE

R HEATING SYSTEMS

AND TECHNICAL SUPPORT!

AGENCIES

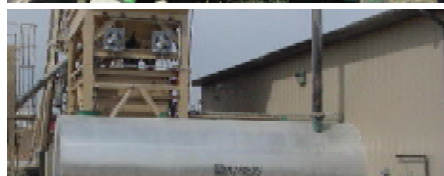
LIGHTWEIGHT ALUMINUM
BURNER COVERING

INSULATION (3-1/2" OR 7")

PRIMARY HEAT TRANSFER TUBE

SECONDARY HEAT TRANSFER TUBE

EXTRA THERMAL BARRIER



- Burner firing rate matches make-up water flow rate to guarantee a constant water temperature.
- Economical to operate as compared to other systems.
- As much as 90% savings in heating costs.
- More efficient direct heat transfer method.
- Totally automatic operation with temperature control and hi/lo water shutoff.
- Virtually maintenance free.
- Well suited for both well and city water installations.
- Weatherproof exterior eliminates need for building.
- Nearly 90% heat transfer efficiency because virtually all BTU's are utilized and not lost out the stack.
- Tank dimensions and nozzle locations can be positioned to fit your requirements .
- Water feed system with operating valve.
- Easy to install — easy to operate.
- No costly refractory chamber to maintain.
- Stationary and portable models available.
- All units prepped for chiller application and chilled water storage.

**MODEL P-30-20 W
HEATING SYSTEM**
with built-in two million btu
steam generator.

**MODEL P-25-20W
PORTABLE HEATING
SYSTEM** with high capacity, PH-
3000 air cooled chiller.
Heating capacity: 1,200yds day
Cooling capacity: 2,200yds/day

PUMP MOUNTED OPTION
10hp, 300gpm plant pump
mounted on heater base—
with 5hp, 140gpm truck tank
fill pump mounted. Aluminum,
lightweight, lockable burner
enclosure standard.

DUAL BURNER OPTION
Two 2.8 million but/hr., gas/oil
combinations/recovery to
5,640 gal/hr. at 100° rise.
Dual burners also add security.

**TYPICAL THRU-WALL
INSTALLATION**
Pumps, burner, piping inside
for protection from the ele-
ments. Exhaust flue outside
for convenience.



First of its kind
**STORAGE TANK
HEATS/COOLS RECYCLED
GRAY WATER**

- Segregates recycled water
- External steel jacket
- Vessels have no internal moving components
- Unique stainless steel pump both supplies and re-circulates water
- Eductor nozzle to agitate contents
- Weatherproof aluminum exterior
- Side and top man ways as standard
- Tanks heated with hot water or steam/ cooled with chilled water

**LOW MAINTENANCE,
HIGH EFFICIENCY SOLUTION!**

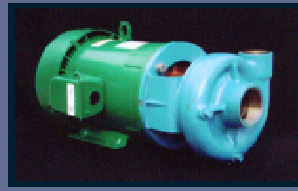
ACCESSORIES



WATER TEMPERATURE BLENDING SYSTEM
Blends hot/cold water to set point in seconds/ accuracy $\pm 3\%$.



DIGITAL TANK TEMPERATURE CONTROLLER
Tank mounted or remotely located. Standard on all units/ accuracy $\pm 1\%$.



CENTRIFUGAL PUMPS:

PLANT SUPPLY PUMPS
10 or 7.5 hp, 230-460 V, 3-phase, 3500 rpm.

TRUCK TANK FILL PUMPS
5 hp, 230-460 V, 3-phase, 3500 rpm.

SPECIALTY PUMPS
Types: high volume, circulating, recycled water.

TECHNICAL SERVICE SUPPORT YOU CAN COUNT ON

Our hot water equipment is serviced by in-house technicians and a national dealer network of experienced professionals, with in-depth knowledge of both Pearson products and the ready mix/precast concrete industries. The Power Flame Burner is also serviced by our people—as well as by local Power Flame representatives or local burner service companies. The chiller line is serviced by us and by a national network of commercial refrigeration service companies.

So wherever you are, we can provide competent, reliable and prompt service.

SPECIFICATIONS

PHYSICAL

MODEL	TANK/ GALLONS	LENGTH	WIDTH	HEIGHT	WEIGHT/ LBS.
P-3-2W	3,000	23' 5"	6'0"	6'6"	9,000
P-5-3W	5,000	22' 5"	7' 8"	8' 2"	10,000
P-5-6W	5,000	22' 5"	7' 8"	8' 2"	11,000
P-5-10W	5,000	22' 5"	7' 8"	8' 2"	11,000
P-8-6W	8,000	26' 5"	8' 7"	9' 3"	12,000
P-10-6W	10,000	32' 2"	8' 7"	9' 3"	18,000
P-10-10W	10,000	32' 2"	8' 7"	9' 3"	18,000
P-10-15W	10,000	32' 2"	8' 7"	9' 3"	18,000
P-10-20W	10,000	32' 2"	8' 7"	9' 3"	18,000
P-15-10W	15,000	28' 7"	11' 1"	12' 0"	20,000
P-15-15W	15,000	28' 7"	11' 1"	12' 0"	20,000
P-15-20W	15,000	28' 7"	11' 1"	12' 0"	20,000
P-20-10W	20,000	36' 5"	11' 1"	12' 0"	26,000
P-20-15W	20,000	36' 5"	11' 1"	12' 0"	26,000
P-20-20W	20,000	36' 5"	11' 1"	12' 0"	26,000
P-25-15W	25,000	44' 2"	11' 1"	12' 0"	31,000
P-25-20W	25,000	44' 2"	11' 1"	12' 0"	31,000
P-30-20W	30,000	51' 2"	11' 1"	12' 0"	38,000
P-1 5-2-20 W	15,000	28' 7"	11' 1"	12' 0"	27,000
P-20-2-20W	20,000	36' 5"	11' 1"	12' 0"	33,000
P-25-2-20W	25,000	44' 2"	11' 1"	12' 0"	35,000
P-30-2-20W	30,000	51' 2"	11' 1"	12' 0"	45,000

NOTE: Custom dimensions available/consult factory. Dimensions subject to change without notice.

OPERATING CAPACITIES

MODEL	MIN MAKE UP WATER GPM/FLOW RATE	HOURLY RECOVERY RATE GAL/100 RISE	AVAILABLE GAL 1STHR, 100 RISE	TOTAL USABLE GAL 8 HR/ 100 RISE
P-3-2W	4.7	283	3,282	5,256
P-5-3W	7.0	423	5,423	8,384
P-5-6W	14.1	846	5,846	11,768
P-5-10W	23.5	1,410	6,410	16,280
P-8-6W	14.1	846	8,846	14,768
P-10-6W	14.1	846	10,846	16,768
P-1 0-1 OW	23.5	1,410	11,410	21,280
P-1 0-1 5W	35.5	2,115	12,115	26,920
P-10-20W	47.0	2,820	12,820	32,560
P-1 5-1 OW	23.5	1,410	16,410	26,280
P-1 5-1 5W	35.5	2,115	17,115	31,920
P-15-20W	47.0	2,820	17,820	37,560
P-20-10W	23.5	1,410	21,410	31,280
P-20-15W	35.5	2,115	22,115	36,920
P-20-20W	47.0	2,820	22,820	42,560
P-25-15W	35.5	2,115	27,115	41,920
P-25-20W	47.0	2,820	27,820	47,560
P-30-20W	47.0	2,820	32,820	52,560
P-15-2-20W	94	5,640	20,640	60,120
P-20-2-20W	94	5,640	25,640	65,120
P-25-2-20W	94.0	5,640	30,640	70,120
P-30-2-20W	94.0	5,640	35,640	75,120

NOTE: Multiple burners available in a single tank/consult factory



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