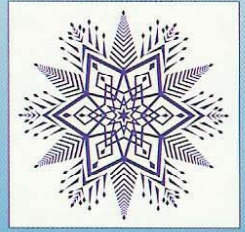




PEARSON
HEATING SYSTEMS, INC.



WATER TEMPERATURE CONTROL EQUIPMENT FOR CONCRETE PRODUCTION

- HEATERS
- RECYCLED WATER STORAGE TANKS
- CHILLERS
- ACCESSORIES



More features...more performance...more reliability ...and more technical support!



About the company:

When Ray Pearson started Pearson Heating Systems in 1987, he had some very lofty goals in mind. Previously working in the industry for 14 years, he wanted to translate all his experience and ideas into the best equipment available for the ready mix and precast concrete industries. Also he wanted to offer products with the highest cost-value possible — and back it up with the kind of service and support that would attract new customers and keep existing

customers coming back. These goals have been, to a significant degree realized. But the company does not rest on its laurels—and is continuing to develop ways to improve its existing products and come up with innovative ways of heating and cooling water for year-round production. In this way, the family owned and operated company is doing its part to help the industry maximize output and realize labor and overall production cost savings.

For new plant installations For expansion/modernization of existing plants

HEATERS *Stationary and mobile systems*

Feature for feature our heating systems reflect leading edge technology, which is upgraded on a continual basis in order to maintain a leadership position. Our heaters have proven to be the most rugged, efficient and reliable in the industry. With a form-follows-function design to facilitate both installation and service. In addition, wherever possible, off-the-shelf brand name replacement parts are used. This is to ensure availability and cost savings for the customer. Options include, among others, total water management systems.

- Burner firing rate matches make-up water flow to ensure constant water temperature
- Operating efficiency: 85% to 90%
- Direct-fired "in tank" heater features design simplicity and is virtually maintenance free
- Totally automatic temperature control and water feed system
- Digital temperature control can be remotely located
- Applicable for both city and well water
- Weatherproof exterior/no building required
- All tanks designed for simplified water chiller add-on
- UL approved burner operates on #2 fuel oil, natural gas, propane or combination of gas and oil
- Exclusive burner flame retention head design (patented) does not require a combustion chamber
- Optional pumps available, mounted and plumbed
- No chemical treatment required
- No costly re-tubing
- No boiler room or boiler inspection required
- No gas ignition required with oil operation



*P-20-20W & PH-1520
New Rock Concrete*



Portable P-8-6W



P-10-10W

Exclusive on all Pearson heaters...

Power flame burner

L0-FIRE WITH SMOOTH LIGHTOFF/PULSATION FREE

- Solid state timer controls for low-fire to hi-fire operation
- Pre-purge and delayed oil start
- Factory wired burner
- Mounted control panel
- Patented flame retention head design
- Flange mounted
- All burners pre-tested
- Electric ignition standard



OPERATES ON #2 OIL, NATURAL GAS, PROPANE • ECONOMICALLY PRICED



Pearson production area

AIR COOLED WATER CHILLERS

Stationary and Mobile Systems

For cooling both batch water and aggregate

- Compact, horizontal construction requires less space versus other brands
- Simple to install and operate
- Diagnostic digital display and control module
- Ultra quiet operation
- Highest available operation efficiency, with full load EER (Energy Efficiency Ratio) up to 10.2
- Multi scroll type, fully hermetic type compressors are maintenance free with auto-adaptive control to minimize wear—with internal/external vibration isolation
- Circulating pump with electric starter
- State-of-the-art heat exchanger maximizes cooling
- One year warranty on parts and labor (also extended warranties available)
- Portable units available
- Initial start-up included with purchase



PH-1390
C.T.L., on site Federal Dept. of
Transportation, Washington, DC

Portable PH-560



MODEL CAPACITIES FROM 200 to 6,000 YD/DAY

Our water chillers are ruggedly constructed with design and performance advantages, for superior in-the-field performance and long term reliability. That's why they are recognized as the standard for concrete cooling.

As compared to the traditional method of using ice to cool concrete, these chillers are able to save as much as 95% per yard of concrete—to dramatically reduce production costs! In addition, all of the problems associated with manual handling, storage and supplying ice are eliminated to cut labor needs. Another plus is that these chillers allow for the precise control of both water temperature and the volume of water going into the mix, to ensure consistency. Customers realize all the advantages that a superior piece of equipment can offer with pay-back in a very short period of time.



Heaters and Chillers can be specified as a single system to simplify installation and mobility. Ideal for portable plants.

STORAGE TANKS for HEATING /COOLING RECYCLED "GRAY WATER"

The management of water (process, recycled, gray) has become a major concern for the ready mix industry. This concern encompasses not only the storage of water, but also the heating and cooling of the recycled water prior to its re-introduction into the mix (or its use for other applications).

In response, we have developed a unique recycled water temperature control system that is a cost-effective answer to this water management problem. We combine this recycled water storage vessel with our field-proven heating and cooling system. The result is a low maintenance, high efficiency solution for pre-heating or cooling recycled water.

- Vertical tank design frees up storage capacity in a small area
- Segregating recycled water eliminates maintenance problems associated with circulating water through a heater or chiller
- External steel jacketing maintains the temperature of tank contents
- Vessels have no internal components, to minimize maintenance requirements found with other types of holding systems
- A special gray water stainless steel supply pump also serves as a recirculating pump
- Eductor nozzle agitates contents to prevent solids building up on the tank bottom
- Vessels are well insulated and have a vapor barrier
- Weather-proof aluminum exterior
- A 30" diameter side and 24" top man-way are standard
- A PH control system is an available option
- Tanks are heated with either hot water or low pressure steam/cooled with chilled water



U.S. Concrete RW-15
Washington, DC

ACCESSORIES

WATER TEMPERATURE BLENDING SYSTEM

ACCURATELY BLENDS HOT/COLD WATER
TO SET POINT IN SECONDS/ACCURACY $\pm 3\%$

- Solid state auto-tune control in polycarbonate enclosure
- Thermocouple temperature probe
- Electro-pneumatic transducer
- Air set/filter regulator
- Two pressure gauges
- 100' thermocouple and transducer cables included
- 3-way, cast iron blending valve



DIGITAL TANK TEMPERATURE CONTROLLER

REMOTELY LOCATED/ACCURACY $\pm 1^\circ$

- LED display of water temp. and set point when entered
- Operating range: 40° to 200°
- Watertight construction
- Can be serviced/replaced without having to empty the tank
- Simple operation/can be remotely mounted up to 300' from heater
- Standard on all Pearson hot water systems



CENTRIFUGAL PUMPS



PLANT SUPPLY PUMPS

- Stainless or cast iron horizontal design
- 3" flange suction port
- 2-1/2" flanged discharge port
- Direct coupled/rated at 300 gpm
- 10 or 7.5 hp motor/230-460V, 3-phase, 3500 rpm

TRUCK TANK FILL PUMPS

- Stainless or cast iron horizontal design
- 2" threaded suction port
- 1-1/2" threaded discharge port
- Direct coupled/rated at 145 gpm
- 5 hp motor/230-460V, 3-phase, 3500rpm

SPECIALTY PUMPS

- High volume pumps
- Circulating pumps
- Recycled water pumps

**TECHNICAL
SERVICE...**

**THROUGH
A NATIONAL
NETWORK OF
EXPERIENCED
PROFESSIONALS**

Technical expertise is available to our customers before, during and after installation. This to make sure our equipment keeps doing what its suppose to do year after year after year. In-house personnel and a national dealer network of experienced professionals, with in-depth knowledge of both Pearson products and the ready-mix and precast concrete industries are on the ready.

Service support on the Power Flame Burner is provided by our own staff or through local Power Flame representatives—or local burner service companies. Chillers are also serviced directly by us or by an across the country network of commercial refrigeration service companies.

Bottom line. For new plant installations or additions to existing facilities, we can provide the competent, reliable, prompt service that you should expect.

SO WHEREVER YOU ARE, WE'RE LOCAL!



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