

Compact Furnace Cooler

Aqua-Vent®

Recirculating Water System for Atmosphere Furnaces

- Fan Bearings
- Roller Hearths
- Jackets
- Seals
- Exchangers

Dissolved minerals in cooling water come out of solution on hot metal surfaces forming mineral scale. These deposits cause equipment to run hot, accelerate corrosion, and can completely clog cooling passages. The Spot•Cooler is a compact, closed-loop cooling system that will protect your equipment from scale build up and prevent premature failure.



The interior of a sidewall circulating fan from a carburizing furnace showing extensive corrosion damage and fouling. A Spot•Cooler now keeps this fan running clean and cool.

LS Series SPOT•COOLER



*Aqua-Vent® LS-300E with emergency backup city water cooling.
Designed for cooling up to six atmosphere fan bearings.*

- Zero Water Usage
- Eliminates Fouling & Corrosion
- Greatly Extends Equipment Life
- Compact Unitized Design
- Pre-Piped and Wired
- Quiet Operation

Rapid Payback

**No Fouling
Corrosion or
Water Usage**

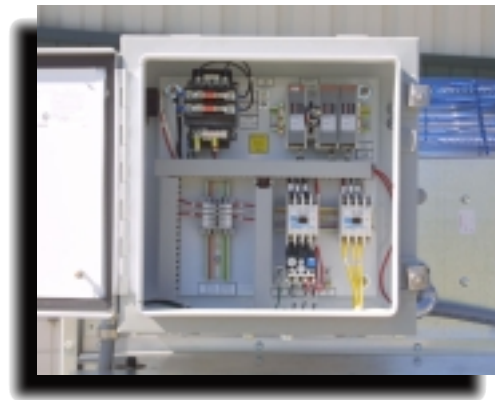


STANDARD FEATURES

- Centrifugal Circulating Pump
- Direct Drive Propeller Cooling Fan
- Three Phase 60 Hz 230/460 Volt
- Air Cooled Heat Exchanger
- Copper Tubes, Aluminum Fins
- Polypropylene Expansion Tank
- Pressure Gauge
- Sight Flow Indicator
- Make-up Water Valve
- Heavy Gauge Galvanized Cabinet

CITY WATER BACKUP OPTION

The city water backup option provides emergency cooling during a loss of flow or loss of electrical power. This insures safe operation on furnace fan bearings, seals, and other temperature sensitive equipment. The option includes a prepped automatic city water supply valve, overflow, and flow indicator. Options are also available for fan cycling, air filtration, and alarms for flow, level, and pressure.



CAPACITIES and DIMENSIONS

Ratings are based upon water supplied to process at 105°F with 90°F ambient. Dimensions are subject to change. Consult factory for certified drawings and cooling capacities at other flow and temperature conditions.

| Model | Capacity | | Pump HP | Fans | | Inlet/Outlet Size NPT | Dimensions LxWxH (In.) | Weight Lbs. |
|---------|----------|---------|------------|------|-----|--------------------------|---------------------------|----------------|
| | GPM | BTU/hr | | Qty | HP | | | |
| LS-100* | 7 | 35,000 | 3/4 | 1 | 1/4 | 1" | 38" x 25" x 51" | 340 |
| LS-200 | 12 | 60,000 | 1 | 1 | 1/3 | 1" | 40" x 43" x 63" | 430 |
| LS-300 | 22 | 110,000 | 1 | 1 | 1/2 | 1 1/2" | 52" x 43" x 63" | 510 |
| LS-400 | 30 | 150,000 | 2 | 2 | 1/2 | 1 1/2" | 72" x 43" x 63" | 720 |
| LS-500 | 42 | 210,000 | 3 | 2 | 1/2 | 2" | 92" x 43" x 63" | 810 |
| LS-600 | 60 | 300,000 | 5 | 3 | 1/2 | 2" | 132" x 43" x 63" | 950 |

* The model LS-100 is only available in 120-230V/1Ø. All other models are 230/460V/3Ø.



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