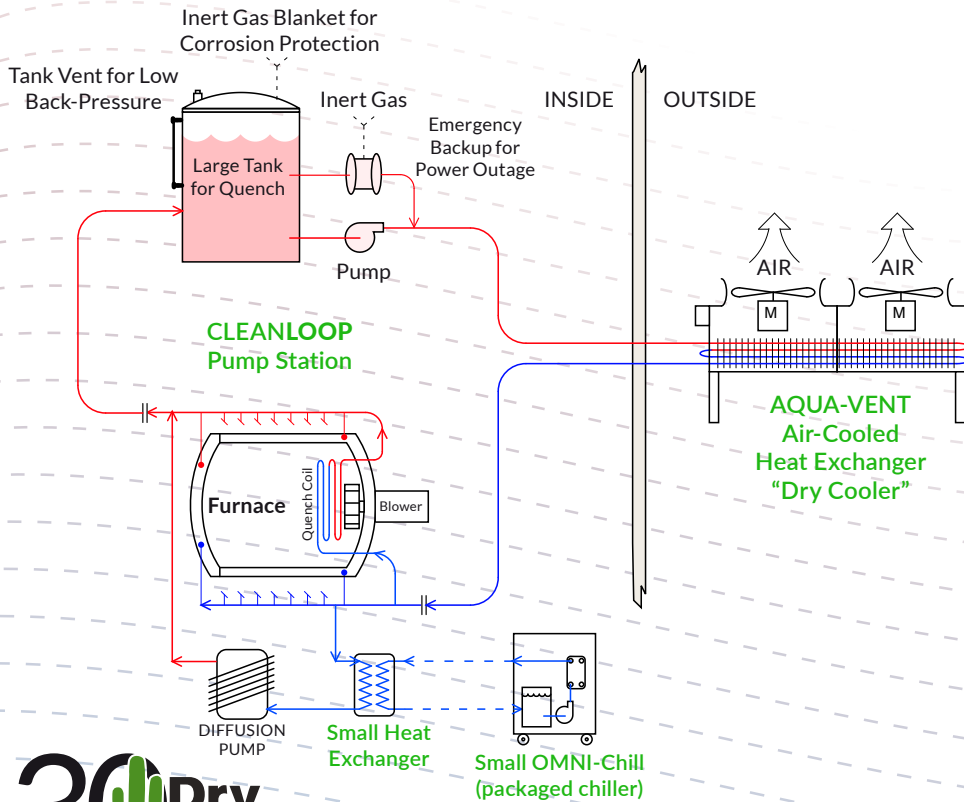




PRINCIPLE OF COOLING

DIRECT HEAT REJECTION THROUGH AQUA-VENT COOLER TO AMBIENT AIR WITHOUT EVAPORATION



ELIMINATE SCALE AND CORROSION

ELIMINATE WATER USAGE

EXCEPTIONAL RELIABILITY

LOW MAINTENANCE

LOW ENERGY USE

AIR-COOLED VACUUM FURNACE COOLING SYSTEMS

For over 30 years, Dry Coolers has led the industry in the design and manufacture of furnace water cooling systems for both OEM and heat treaters. Our systems meet the rigorous demands of a furnace quench cycle and will protect your piping and furnaces from corrosion for the entire life of the equipment.

Our **CLEANLOOP Air-Cooled Systems** are used extensively throughout the world and are prized for their low environmental impact (no water usage and low energy) and minimal maintenance requirements.

The diagram illustrates the principle of operation for the air-cooled system. Coolant is circulated from the sealed **CLEANLOOP Pump Station** through the Aqua-Vent Air-Cooled Heat Exchanger “Dry Cooler” and to the furnace. Heat is rejected from the system thru the finned heat exchanger in the Dry Cooler. Fans on the Dry Cooler cycle On and Off with a controller to regulate the coolant temperature. The system will supply coolant to the furnace at a temperature that is within 5 deg C of ambient air. In freezing climates, it is important to add the correct concentration of glycol for freeze-protection. In non-freezing climates, it is important to add the proper concentration of corrosion inhibitor in the system to protect your pipes and furnace.

MAIN FEATURES

- Large tank sized to absorb the heat from the furnace quench
- Inert blanket valve and vent on tank to minimize backpressure on the furnace and eliminate oxygen in tank
- Emergency backup pump to keep coolant circulating during a power outage
- Furnace pump sized to handle quench and steady state furnace operation
- **Aqua-Vent Air Cooled Heat Exchangers** sized for your location and furnace loads
- Optional trim-cooling package for your diffusion pump
- Optional filtration package for installation on used furnace

ALSO AVAILABLE

SOLANUS QUENCH OIL COOLERS • **CYCLEAN** CENTRIFUGAL SEPARATORS • **CHILLER SYSTEMS**
WATERFALL VACUUM FURNACE COOLING SYSTEMS • **TOWERSHED** MACHINE ROOMS



📍 575 South Gaspie Street, Oxford, MI 48371

☎ 1-800-525-8173

📞 1-248-969-3401

🌐 www.drycoolers.com

✉ info@drycoolers.com

BULLETIN
AVRF - 1609