

Emergency Backup Pumping Systems

Aqua-Vent®

Backup Recirculating Systems for

- Vacuum Furnaces
- Induction Melters
- Jackets and Hoods
- Reactor Vessels
- Atmosphere Furnaces

Having a reliable source of emergency backup flow is critical for any high temperature equipment. During a commercial power outage or pump failure, the loss of coolant flow can quickly cause equipment damage.

Shown at right is a natural gas powered engine pump that delivers 1,000 GPM @ 40 psi. Shown below is a smaller version for 350 GPM. Both systems include all controls for auto-starting in the event of power loss.

ENG-180 (18 hp) emergency backup pump.



Aqua-Vent® ENG-600 (60 hp) emergency backup pump.

ENG Series Engine Pump

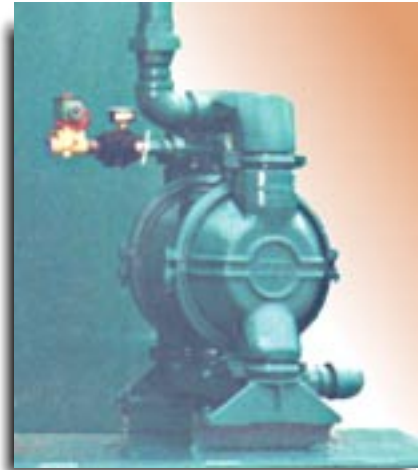
- Fully Automatic Operation
- Starts Upon Loss of Electrical Power
- Wide Range of Sizes Available
- Compact Unitized Design
- Natural Gas, Propane or Gasoline Fired

Safe Operation

Even when the lights go out....

CITY WATER TURBINE PUMP

An emergency city water option is available for backup cooling upon loss of flow or loss of electrical power. This option includes a fail-open valve for city water supply, a water driven turbine pump and a shell and tube heat exchanger. This provides backup flow and cooling for safe operation on critical duties such as cooling bearings and seals on high temperature furnaces or any application where you can't afford to go down.



DIAPHRAGM PUMP

Diaphragm pumps are frequently used for backup coolant circulation in systems requiring low emergency coolant flow (typically less than 100 GPM) and where a reliable supply of plant air or inert gas is readily available. A fail-open solenoid controls starting of the pump.

STANDARD FEATURES

- Centrifugal Circulating Pump
- Water Driven Turbine
- Shell and Tube Exchanger
- Fail Open City Water Inlet Valve



ENGINE PUMP

ENG-80 (8 hp) emergency backup pump.



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ISO 9001:2000
REGISTERED

ALSO AVAILABLE from Dry Coolers

- Evaporative cooling towers
- Air and water cooled refrigerant chillers
- Air cooled heat exchanger systems

Complete systems are pre-engineered and pre-packaged. Take the headaches out of your process cooling while saving money on water and sewer costs.