



**HEAT TRANSFER SYSTEM**

**HVAC**

**TIGERFLOW Systems, LLC**

# HEAT TRANSFER SYSTEM

The TIGERFLOW Standard Heat Transfer System (HTS) is factory built, tested and UL/C-UL third party certified before shipment. The unit arrives on site meeting and exceeding all industry standards, and site performance specifications.



HEAT TRANSFER SYSTEM

## BENEFITS

- Prefabricated and factory tested
- 3rd party UL/C-UL listed system
- ASME section IX certified pipe welders
- AWS D1.1 certified structural welders
- UL 508 labeled power and controls
- Constant and variable speed designs
- Single source responsibility
- Start-up and field training by factory trained controls engineers (optional)
- Every system is electrically and hydrostatically tested before shipment
- 5 Standard configurations available

## WATER SIDE STANDARD FEATURES

- Triple duty valves or check valves
- Suction diffusers or wye-strainers
- ASTM A36 Schedule 40 piping
- 9" scale thermometer
- Relief valve
- Air separators
- Water make-up lines (backflow preventer option)
- Air vents
- Expansion tanks

## WATER SIDE OPTIONAL FEATURES

- Pete's plugs
- Chemical shot feeders
- Glycol make-up units

## STEAM SIDE STANDARD FEATURES

- Direct acting or electrically actuated steam control valves
- Single or dual heat exchangers
- ASTM A36 Schedule 40 piping
- Relief valves
- Bypass lines
- Wye-strainers
- Multi-turn isolation valves (gate valves)

## CONDENSATE SIDE STANDARD FEATURES

- Wye-strainers
- Steam traps
- Multi-turn isolation valves (gate valves)
- ASTM A36 Schedule 80 piping
- Motor driven and pressure powered condensate return units
- Relief valves

## CONDENSATE SIDE OPTIONAL FEATURES

- Drip legs
- Flash tanks

## SYSTEM OPTIONS

- Inertia base & springs
- Plate & frame heat exchangers

## CONTROLS

- TIGER'S EYE MARK VI, E-SERIES, VARIABLE SPEED CONTROLS
- UL/C-UL 508 Listed control panel
- Micro Controller:
  - » Memory: Non-volatile – no battery backup required
  - » Multi-level security passwords
- Human Machine Interface (HMI) Model R-6 functions include:
  - » 6" color scale screen
  - » Wire to water efficiencies
  - » KW Sensing
  - » End Of Curve Protection
  - » Transmitter Failure Alarms
  - » Automatic System Status
  - » H-O-A Selector
  - » ETMs – Elapsed Time Meters
  - » Individual Transmitter Status
  - » Flow Readout
  - » Pump, Motor, Drive Status
  - » Automatic Alternation of Equal Sized Pumps
  - » 32-bit RISC Micro-Controller
  - » RS-485 Communication Ports
  - » Communication options
    - » E-Series HMI with MODBUS protocol (BAS compatible)
    - » RED LION HMI with BACNET protocol (BAS compatible)
- Automatic Zone selector
- Thru-door disconnects with individual motor circuit protection
- ABB, Yaskawa, or Danfoss sub-micro, NEMA 1, variable frequency drives with PWM and panel-mounted operator interfaces
- 24 Volt UL/C-UL, CE Approved Switching Power Supply
- 120 Volt Fused Control Circuit Transformer
- Power on Light
- Common Auxiliary Alarm Contacts
- Pump fail D-P switches
- Temperature and valve control

## APPLICATIONS

- Commercial
- Industrial plants
- Hospitals
- Institutional
- Process



To place your order, please contact:  
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