

Industrial and Commercial Pump Stations



- Standard stations from
5 – 5,000 GPM
- Heavy-duty construction
- Fully automatic operation
- Customized systems

motivair[™]

COOLING SOLUTIONS

www.motivaircorp.com



Motivair Industrial Cooling Systems include a wide range of process cooling equipment: refrigeration water chillers (1/2 – 270 tons), closed loop and open draft evaporative cooling towers, closed loop dry fluid coolers and liquid-to-liquid heat exchangers. Many of these systems require a stand-alone pumping station in order to circulate the cooling media between the cooling system and the process. Motivair designs and manufactures pumping stations covering almost any application. Every cooling system is unique; therefore, Motivair offers standard pump stations as well as customized pump stations to suit any industrial or commercial application.

SOLUTIONS FOR ANY PUMP STATION REQUIREMENT.

STANDARD PUMP STATIONS:

Motivair standard pump stations are built in two versions, either simplex, or duplex. These units are typically applied to closed loop cooling systems, and are supplied with the following standard features:

- NEMA 4 control panel
- TEFC Motors
- Heavy-duty frame
- Expansion tank
- Isolation valves
- Check valves (duplex)
- Air scoop
- Pressure gauges
- Copper or carbon steel piping
- Push button start/stop
- Pump run lights
- Differential pressure switch (duplex)
- Automatic pump change over (duplex)
- Visible and audible pump failure alarm (duplex)
- Enamel paint finish



CUSTOM PUMP STATIONS:

A large percentage of cooling systems require certain modifications in order to satisfy unique operating requirements. To accommodate these applications, Motivair designs and builds a wide range of customized pump stations and pump/tank stations. Additional options available on customized pump stations include:

- Triplex or quad pumps
- Open or closed tanks
- Carbon, stainless, or Polyethylene tank material
- Stainless steel or PVC piping
- High-pressure pumps
- VFD motor speed control
- Microprocessor controls
- Motorized valves
- Y-Strainers or filters
- Flow meter
- Sight glass

**ENGINEERING,
DESIGN &
PRODUCTION**



APPLICATION, INTEGRATION & SOLUTIONS FOR ALL YOUR COOLING NEEDS:



MLC

70-240 ton air-cooled, water-cooled & split system chillers for central plant operation, industrial processes or HVAC applications. Integrated "Free Cooling" option



MPC

Packaged air cooled or water-cooled chillers for Industrial cooling, Medical cooling or custom HVAC applications. Includes integrated microprocessor, pump station, and storage reservoir.



PFS

Plate & Frame water to water cooling systems



MOT & MEC

Open draft or closed loop evaporative cooling towers for process cooling or HVAC applications



MFC

Closed loop dry-coolers for process cooling and remote "Free Cooling" applications

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