

motivair[®]
COOLING SOLUTIONS

Industrial and Commercial Pump Stations

1 – 100 HP



OUR BUSINESS IS COOLING YOURS[™]



When commercial grade isn't enough

Motivair's industrial cooling systems include a wide range of process cooling equipment, such as refrigeration water chillers, 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 to circulate the cooling media between the cooling system and the process.

Motivair designs and manufactures pumping stations covering almost any application. And since every cooling system is unique, Motivair offers standard and customized pump stations.

Solutions for any Pump Station Requirement



Key Features

- Pre-Fabricated design allows for predictable performance once on sight
- Wide range of approved vendors and materials gives the consulting engineer and customer ability to design pump station built for the application
- IEEE hazardous duty motors



Available Options

- PLC control system
- Open or closed storage tanks
- Integrated heat exchanger
- 1 – 4 pump configurations
- Outdoor enclosure
- Custom skid layout
- VFD pump speed control
- Standard and custom designs 1 – 100HP



Standard & Custom Designs

Motivair standard pump stations are built in two versions, either simplex or duplex. These are pre-designed stations that include centrifugal circulation pumps with TEFC motors, isolation and check valves, temperature and pressure gauges, NEMA 4 control cabinets with run alarm lights, pump selector switches and visible and audible alarms. These units are typically applied to closed loop cooling systems.

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

Specifications

Pump Motor (HP)	2HP	5HP	7.5HP	15HP	20HP	40HP	60HP
Piping Size (inches)	1	1.5	2	3	4	6	8
Piping Type	Copper	Copper	Copper	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
Max Design Fluid Flow Rate (GPM)	25	50	100	225	400	900	1300
Electrical	460V/3Ph/60Hz						
Dimensions (L" x W" x H")	72" x 42" x 68"			120" x 48" x 68"		168" x 72" x 79"	

Greater HP and Piping size available - consult factory.

Pumps selected at various GPM based on acceptable fluid velocity at the specified pipe diameter @ 100 fthd (excl. 8in - rated @ 125 fthd) and 100% Water. Duty, performance and size is subject to change without notice.

OUR BUSINESS IS COOLING YOURS™



MLC & MLC-FC

60-500 tons air-cooled, water-cooled & split system chillers for industrial or HVAC applications. Available Integrated Free-Cooling.



MLC-SC Air-Cooled Scroll Chillers

100 – 285 tons air-cooled with scroll compressors to accommodate a wide range of operating points and customization for today's advanced industrial manufacturing and mission critical environments. Available Integrated Free-Cooling.



MPC & MPC-FC

1/2-50 ton packaged air-cooled or water-cooled chillers for Industrial cooling, Medical cooling or custom HVAC applications. Includes integrated microprocessor, pump station, and storage reservoir.



Chilled Door® Rack Cooling System

Advanced server rack cooling system fits and standard or OEM computer rack. Removes up to 75 kW of server heat per door. Learn more at www.chilleddoor.com



CDU

The Coolant Distribution Unit (CDU) provides 100% sensible cooling up to 1.25MW, depending on the model. For use with the ChilledDoor® or other IT cooling systems.



MFC

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

motivair®

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