THERMAL MANAGEMENT

Industrial and Commercial Pump Stations

1 – 60 HP

When downtime is not an option

Enable faster innovations and deliver stronger results with Motivair's standard and customized pump 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.

Motivair's industrial cooling systems include a wide range of process cooling equipment, such as refrigeration water chillers, closed loop dry fluid coolers, liquid-to-liquid heat exchangers, liquid-cooled electronics and direct-to-chip coupled cooling systems.

Many of these systems require a stand-alone pumping station to circulate the cooling media between the cooling system and the process.

Motivair Pump Stations are factory designed, engineered and manufactured to move fluids in industrial, institutional and commercial markets offering a pre-packed system that reduces cost and manufacturing times.

Sizes ranging from 1-100 HP and 1-4 pump configurations.

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 3R 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.

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 – 60HP
- Stainless steel construction

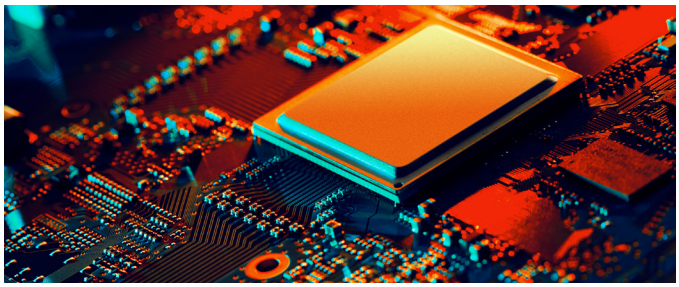
We cool the most advanced technology on the planet

We discover, design, and develop resilient thermal technologies and strategies, and convert that into actionable insights and unparalleled value for our clients.

From climate research to finance, cloud to artificial intelligence, customers trust Motivair's cooling technologies so they can break new boundaries and help deliver tomorrow's innovations faster.

We're helping our clients discover cures for diseases, combat climate change, and make tomorrow's data-driven services more reliable and accessible.

We are touching millions of lives each day by providing the critical cooling technology to support productivity and innovation that is changing our world.



DIRECT-TO-CHIP COOLING

Supercomputing isn't just in the lab anymore.
The power of high-performance computing is scaling out as more enterprises and corporations look to utilize artificial intelligence for advanced decision-making and accelerate digital transformation.

DATA CENTER & IT COOLING

Designed for and used by the enterprise data center and supercomputer owners and operators, our cooling technology is engineered to help you leap forward in scale, quality, and speed.

THERMAL MANAGEMENT

When it comes to cooling your critical infrastructure, we work to customize specialty chiller technology for you, rather than selecting from a catalog

CLIENT SERVICES GROUP

Manage every aspect of your cooling infrastructure, from planning and design to start up, commissioning and post-sale performance. Your business depends not only on our products but also our ability to respond when you need us.

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