Designed to Perform.
Built to Last.

Thermal Fluid Systems
Heat Transfer Oil Systems

Heat Transfer Fluid Temperature Control Systems

For your process heating requirements up to 650°F (343°C)

- Heating capacities: 3 kW to 144 kW
- Flow rates: 5 gpm to 120 gpm
- Single, dual and triple zone configurations
- Heating only, cooling only, or heating and cooling systems
- Continuous flow cool oil reservoir designs
- Energy-efficient heating design
- Positive or negative pressure flow

Thermal Fluid Full Range Heating and Cooling Systems

Temperatures from 50°F up to 650°F (10°C to 343°C)

- Combination heating/cooling system in one package
- Heating capacities up to 48 kW
- Pumping capacities up to 30 gpm
- Rapid cool down capabilities
- Ideal for applications requiring:
  - Multi-zone processes
  - Installations where rapid cooling is required

Stationary Heat Transfer Fluid Systems

For your process heating requirements up to 700°F (371°C)

- Designed and built to customer specifications
- NEMA rated electrical enclosures
- Sturdy steel frame
- All-welded construction
- Pre-wired control panel
- Energy-efficient heating design

Fluids and Cleaners

Fluids and Cleaners

Fluids that last longer and help keep your system cleaner

- Heat transfer fluids rated up to 600°F (315°C)
- Cleaner fluids capable of functioning continuously up to 550°F (288°C)
- Fully inhibited Glycol based solutions in a variety of sizes
- Our D-Scaler fluid is a nontoxic, nonflammable liquid that quickly dissolves any deposit buildup
Water Systems

**Water Temperature Control Systems**
For your process heating requirements up to 380°F (193°C)
- Heating capacities: 2 kW to 96 kW
- Pump sizes: 1/2 Hp to 10 Hp
- Flow rates: 9 gpm to 120 gpm
- Single or dual zone configurations
- Positive or negative pressure flow
- Heat remover designs available
- Food, medical and pharmaceutical industry system designs

**Full Range Heating and Chilling Systems**
For your process requirements from -20°F to 380°F (-29°C to 193°C)
- Combination heating/chilling system in one package
- Up to 60 Ton chilling capacities
- Heating capacities up to 96 kW
- Pumping capacities up to 120 gpm
- Ideal for applications:
  - Requiring multi-zone control and/or a variety of temperatures
  - Where water supplies are not accessible
  - Food, medical and pharmaceutical industry system designs

Chiller Systems

**Portable Chiller Systems**
For your process cooling requirements down to -20°F (-29°C)
- 1/4 Ton to 60 Ton cooling capacities
- Air-cooled or water-cooled condensing
- Scroll and reciprocating compressors
- Combination heating/chilling systems
- Single, dual circuit and modulating designs
- Food, medical and pharmaceutical industry system designs

**Outdoor Chiller Systems**
For your process cooling requirements down to 20°F (-7°C)
- Up to 60 Ton cooling capacities
- Ambient temperature ranges from -20°F to 95°F (-29°C to 35°C)
- Designed for outdoor installation, freeing up valuable indoor space
- Painted steel or stainless steel construction
- NEMA 4 local outdoor panel and NEMA 12 remote indoor panel
Central Cooling Systems

Central Chiller Systems
For your central cooling requirements up to 120 Tons
- Supply process fluid control down to 20°F (-7°C)
- Available in 30 Ton to 120 Ton cooling capacities
- Single or dual circuit configurations
- Air-cooled or water-cooled condensing
- Scroll compressors
- Welded steel frame

Pump Tank Systems
For your chilled water requirements
- Capacities from 100 gallons and larger
- Single or multiple pump configurations
- Stainless steel or epoxy-coated steel tank construction
- All-welded and brazed constructions available
- Easily integrated with central chillers, cooling towers, or existing water systems
- Header and custom piping packages

Outdoor Cooling Systems
Outdoor Air-Cooled Central Chillers — 20 Ton capacities and larger
- Designed for outdoor ambient of 0°F to 125°F (-17°C to 51°C)

Cooling Towers — Up to 2,000 Tons
- High-density polyethylene

Cold Climate Coolers — Cooling capacities up to 120 Tons
- Environmentally friendly design reduces water and energy costs

Blown Film Coolers

Blown Film Air Coolers
Uniform cooling of leaving air temperatures
- Product line from 600 CFM to 9,000 CFM
- Powder coated (inside and out) heavy gauge steel cabinets designed for 35" static pressure
- Adjustable bolt-on legs
- Chilled water and discharge air temperature gauges
- Manual chilled water flow control valves
- Permanent, cleanable inlet filter
Engineered Systems and Panels

**Custom Engineered Systems**

Engineered packaged skid systems up to 700°F (371°C)

- Designed and built to customer specifications
- Steel, stainless steel and other materials of construction
- Clean room or wash down designs
- NFPA 79 compliant: electrical standard for industrial machinery
- Heating and/or chilling assemblies
- Full control systems with interconnecting wiring

**Power and Process Control Panels**

Practical control designs for today’s demanding process systems

- UL and cUL 508A approved
- ESA and CSA electrical approval
- NEC, CEC and CE compliant
- NEMA 1, 3, 4, 4x, 7, 12 and IEC electrical enclosures
- Explosion-resistant and wash down designs
- Voltages up to 600 VAC

**Maintenance Products**

**Maintenance Systems and Accessories**

**Heat Transfer Fluid Filtration Systems**

- Improve efficiency, reduce downtime and remove particles

**Water Systems**

- D-Scalers: Removes rust, scale and lime deposits from your process
- LeakMaster: Negative pressure system stops leaks without stopping production

**Accessories/Controls**

- Custom stainless steel manifolds with welded construction
- Off-the-shelf microprocessor based PID controls and communications

We’ve made it our mission to surpass the needs of our customers across a variety of industries. That’s why we offer the ability to custom engineer any of our designs to meet an application’s specific requirements.
Over 60 Years of Unequaled Performance

Since 1955, Mokon has set the standard in the design and manufacture of high-performance and superior quality heating and cooling process temperature control systems. Through the development of new products, refinement of existing designs and creation of custom engineered systems, Mokon has consistently demonstrated its ability to foresee the evolving needs of customers in all industries. Our energy-efficient line of circulating water and heat transfer fluid temperature control systems, chillers, centralized cooling systems and custom/engineered designs offer precise temperature control for any application.

Certifications

- CE including MD, PED, EMC, LVD, WEEE, RoHS, REACh, Packaging directives
- EAC
- UL, NFPA, NEMA and ASME designs

Custom Capabilities

- Electrical specifications and controls
- Unique sizes and modular designs
- Specific construction materials
- Increased fluid flow, heating and cooling capacities

Industries Served

- Aerospace and Composites
- Automotive
- Chemical Processing
- Die Casting
- Food and Beverage
- Packaging
- Pet Food
- Pharmaceutical
- Plastics Processing
- Power and Energy
- Printing
- Rubber Processing
- Semiconductor

Customer Service You Can Count On

Backed by one of the most experienced customer service teams in the industry, Mokon offers full customer support so you can have access to our expertise before, during and after the sale. Our service capabilities include:

- 24-hour customer support right over the phone
- Installation and start-up assistance
- Customer training capabilities
- Complete factory repair and refurbishment services
- For technical support visit mokon.com/customercenter
- Find components and replacement parts at shop.mokon.com

2150 Elmwood Avenue
Buffalo, New York 14207
P (716) 876-9951
F (716) 874-8048
E sales@mokon.com
mokon.com