



Designed
to Perform.
Built to Last.

Thermal Fluid Systems





Water Systems

Portable 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



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
- Multi-zone designs available
- Closed loop designs for limited supply/drain connections



Stationary Temperature Control Systems

For your process heating and cooling requirements up to 380°F (193°C)

- Designed and built to customer specifications
- Increased fluid flow, heating, and cooling capacities
- Indoor and outdoor rated designs
- Stainless steel construction, painted steel, and non-metallic construction
- Variety of certifications and electrical ratings
- 100% run tested



PURA-THERM® Systems

High-performing equipment designed for medical, pharmaceutical, food and beverage industries

- Circulating water temperature control heating up to 380°F (193°C)
- Chillers cooling between -20°F to 65°F (-29°C to 18°C)
- Combination heating and chilling systems from -20°F to 380°F (-29°C to 193°C)
- Designed specifically for cleanroom and sanitary environments
- NEMA/Type 4/4X and washdown designs
- Stainless steel and non-ferrous process fluid surfaces





Heat Transfer Oil Systems

Portable Temperature Control Systems

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

- Heating capacities: 3 kW to 144 kW
- Pumping capacities up 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



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 144 kW
- Pumping capacities up to 120 GPM
- Up to 40 Ton chilling capacities
- Multi-zone processes
- Rapid heating and/or cooling designs



Stationary Temperature Control Systems

For your process heating and cooling requirements up to 650°F (343°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



XCHANGE-THERM Systems

High-performing equipment designed for critical industrial applications from -20°F to 300°F (-29°C to 149°C)

- Heating and/or chilling systems
- Heat exchangers designed to accept central steam and cooling water sources
- Multi-zone processes
- NEMA/Type 4/4X/7/12 and washdown designs
- Stainless steel and non-ferrous process fluid surfaces





Chiller Systems

Portable Systems

For your process cooling requirements down to -20°F (-29°C)

- Up 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



Outdoor Chiller Systems

For your process cooling requirements down to 20°F (-7°C)

- Designed for outdoor installation, freeing up valuable indoor space with ambient temperatures of -20°F to 95°F (-29°C to 35°C)
- Air-cooled or water-cooled condensing
- Up to 120 Ton cooling capacities
- Painted steel or stainless-steel construction
- NEMA/Type 4 local outdoor panel and NEMA/Type 12 remote indoor panel



Central and Pump Tank Systems

For your central cooling requirements up to 120 Tons

- Supply process fluid control down to 20°F (-7°C)
- Available up to 120 Ton cooling capacities
- Tank capacities from 100 gallons and larger
- Single or dual circuit configurations
- Air-cooled or water-cooled condensing
- Welded steel frame



XTREME-THERM Systems

High-performing equipment designed for severe-duty environments in chemical and hazardous applications

- Water temperature control systems up to 300°F (149°C)
- Oil temperature control systems up to 650°F (343°C)
- Chillers systems from -20°F to 65°F (-29°C to 18°C)
- Combination heating and chilling systems from -20°F to 300°F (-29°C to 149°C)





Cooling Systems

Auxiliary Cooling Systems

- Cooling Towers – Up to 2,500 Tons
- Cold Climate Coolers and Remote Chiller Condensers – Up to 120 Tons
- Blown Film Air Coolers – 600 CFM to 9,000 CFM



Engineered Systems and Panels

Custom Engineered Skid Systems

- Engineered packaged skid systems up to 650°F (343°C)
- Designed and built to customer specifications
- Steel, stainless steel and other materials of construction
- Clean room or wash down designs
- Heating and/or chilling assemblies
- Full control systems with interconnecting wiring



Power and Process Control Panels

- Practical control designs for demanding processes
- UL and cUL 508A approved
- ESA, CSA, 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 50/60 Hertz



Maintenance Products

Maintenance Products, Fluids 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

Fluids

- Hot oil heat transfer fluids and cleaners
- Glycol solutions and descaling fluids

Accessories/Controls

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



**The right design,
every time.**

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.

70 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

- ISO 9001:2015 and ISO 14001:2015
- CE including MD, PED, EMC, LVD, WEEE, RoHS, REACH, Packaging directives
- EAC, CSA, NRTL, ATEX
- 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

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