

EXTRACTION

Specialty Chillers

Extraction processes whether CO₂, butane, propane, or ethanol all require cooling. Though each has its own unique requirements, all require precise temperature control to ensure high quality output in a repeatable process.

Specific chiller requirements vary with the extraction method and we stand ready to tackle the most demanding of specifications. Regardless of the solvents involved, we have the ideal solution. And if a more customized OEM solution is desired, we do that too.

Glen Dimplex Thermal Solutions

currently partners with several strong players in the extraction market. Our ability to tailor a product for the unique needs of an application is unmatched.

Our **Koolant Coolers** brand chillers are comprised of the highest quality components. All are assembled in our Michigan facility with the same pride and commitment that has been synonymous with our name for nearly 70 years.

- 18-month parts/labor warranty
- 24/7 service/support
- Next day parts available

Put our nearly 70 years of experience to work for you.

**Glen
Dimplex**
Thermal
Solutions



**Koolant
Coolers**

Low Temp
LFT to -70°F



S Series
LFT 25 to 90°F



W Series
LFT -20 to 25°F
or -40 to -20°F



P Series
LFT to -50°F



Heat/Cool Combination
LFT 20 to 140°F



EXTRACTION CHILLER SOLUTIONS

- Packages range in size from 1/8 to 360 HP
- Chiller packages for fluid temps from -70 to 140°F
- Combo heat/cool packages with dual fluid/temp circuits
- Electric or gas-fired heater packages from 10 to 2000kW
- Outdoor rated from -20 to 95°F
- Designs for a variety of fluid options
- High production capacity requirements
- Load fluctuation and process stability controls
- Digital controls with communication protocols available
- Non-ferrous, corrosion-resistant fluid circuits
- Fused disconnects

EXTRACTION is a unique process. So are our solutions.

Varied fluid temperature options to meet every process need:

25 to 90°F

Our standard J Series and S Series product line is ideal for solvent recovery and many other extraction applications. Designed for robust high-production operation and 24/7 operation, these units are rated to operate in harsh environments where ambient conditions range from -20 to 100°F. These units feature built in sub-cooling and oversized condensers to ensure reliable operations regardless of environment.

-20 to 25°F

When production requires a lower fluid temperature, turn to our Medium-Temp W Series option. With high production level capacities and premium performance, this series provides standard cooling capacities over 100,000 BTU/hr and is highly customizable. (For larger capacities consult the factory.)

-40 to -20°F

Should production demand even lower temperatures, our specialized Low-Temp W Series stands ready to serve. Built with repeatable process controls and increased temperature stability, this line provides standard cooling capacities over 100,000 BTU/hr and is highly customizable. Designed for water/glycol use, it eliminates the need for expensive silicone-based fluids. (For larger capacities consult the factory.)

-50°F

When a process requires colder than -40°F our Low-Temp P Series offers two stage compression and a small pressurized fluid loop, optimized for silicone-based fluid. This circuit blankets the fluid circuit with a nitrogen purge to prevent ice crystals from forming in the system. These chillers are production rated with capacities over 100,000 BTU/hr and designed for air-cooled or water-cooled condensing, with a single refrigerant to avoid complex blends and service issues.

Ethanol Extraction Low Temp -70°F Chillers

With cooling capacities large enough to replace two units, the compact LT Series saves both installation time and footprint. Two compressors in cascading configuration work together to provide the extremely low temperatures required of your process, while two standard refrigerants make local service a breeze.

Combination Heating and Cooling

When a process requires both heating and cooling simultaneously, look no further than our HEAT and COOL design. This single unit provides two circuits (one cooling to 20°F and one heating to 140°F) to save on space and installation.

Heater Packages

When heat is required in higher volumes, we offer heater packages available in both gas-fired and electric heat. The unit comes complete with controls, a circulation pump, a process pump, and a stainless-steel reservoir.

