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**HEAT/COOL  
LINECARD**

[calwestmashy.com](http://calwestmashy.com)

888.841.3335

**APV**

Plate & frame heat exchangers  
Fully welded heat exchanger

**InTest Thermal Solutions**

Portable Low Temp Process Chillers  
Extraction Chillers  
LN2 Cryo Chillers  
Gas Chillers  
PAO Chillers  
Chiller Controllers

**Thermal Care**

Portable & Packaged Chillers  
Central Chillers  
Cooling Towers  
Temperature Controllers  
Pumping Systems & Controls  
Plant-Wide Systems  
Water Treatment Systems  
Filtration Systems

The very first plate heat exchanger, invented by their founder in 1923, APV has more experience than any other PHE manufacturer and continues to provide advanced heat transfer solutions for cooling, heating, condensing and evaporation of process fluids. Designed to solve heat transfer process challenges in a vast array of industries, they meet demanding process conditions and optimize the utilization of energy.

### quick facts

Connection Sizes from 2" to 20"  
Flows to 20,000 GPM  
Pressures to 464 psi  
Temperatures to 662°F  
304SS, 316SS & Titanium



### qr codes



More Info

### applications

- Rich & lean amines
- Heat recovery
- Oleo chemicals
- Compounds
- Hydrocarbons
- Deodorization / extractions
- Chlorine & chlordane process
- Halogenides
- HVAC
- CO2 recovery
- Process heating & cooling
- Chlor-alkali
- Sulfuric acid
- Soda ash
- Desalting
- Desulfurization
- Condensate

### industries

- Oil & Gas
- Refineries & Petrochemical,
- Chemical
- Mining & Metallurgical
- Corn Milling
- Power Generation
- Semi-conductor
- Bio-Pharma
- Water/Waste Water Treatment
- Pulp & Paper

Thermonics® designs low (-80.0°C) and ultra-low temperature (-120.0°C) chillers for cooling fluids and gasses in process cooling applications. These chiller systems include fluid chillers, gas chillers, and cryogenically cooled (LN2, LCO2) chillers. Systems are available in water-cooled and air-cooled configurations, and compatible with a variety of heat transfer fluids.

## quick facts

- Temp ranges from -120 to 300°C
- Cooling capacities up to 30kW
- Air or water cooled condensers
- Single stage compressor
- Rapid transition rates
- Cascade cooling



## applications

- Satellites
- Medicinal cannabis extraction
- Electrified cars
- Aerospace/thermodynamics
- Botanical
- Cooling ethanol
- Cooling other solvents
- Industrial cooling
- Heat removal
- PAO recirculation

## industries

- Chemical
- Energy
- Semiconductor
- Aerospace
- Defense
- Automotive
- Food Processing
- Electronics
- Power generation
- Brewing
- Distilling
- Wine making
- Pharmaceutical
- Solvent recovery
- Cryogenics
- Coolant filter

## qr codes



Thermal Care manufactures liquid chillers, cooling towers, and plant circulating systems for removing heat from industrial processes. The engineered temperature controllers, portable chillers and central chillers, cooling towers and pump/reservoirs, provide Thermal Care customers with a wide range of process cooling solutions from off-the-shelf models to integrated, customized systems. Standard and custom process cooling solutions available.

## quick facts

**Portable Chillers: 1 to 40 tons**

Varispeed options  
Air or water cooled  
PLC control

**Central Chillers: 10 to 500 tons**

Centrifugal or Rotary screw  
Scroll compressor  
Air or water cooled

**Cooling Tower Features**

Low water usage  
Provide 85F water year round  
Closed loop

## qr codes



More Info



About



NQ Series



RQE Series



EQ Series



TCF Series



## applications

Process fluid cooling  
Machine coolant  
Glycol cooling

## industries

Rubber  
Chemical  
Food Processing  
Electronics  
Power generation  
Brewing  
Distilling  
Wine making  
Pharmaceutical  
HVAC  
Semi conductor  
Metal coating  
Optical coating  
Dairy  
Paper  
Solvent recovery  
Vacuum pump cooling  
Auto-clave  
Cryogenics  
Coolant filter