

F Series

Outdoor, Free-Cooling Economizer
5-90 Ton Single Units | Expandable

Add-On Energy Savings

Uses natural cold air to cool process fluid as conditions warrant, allowing the chiller system to operate less often in colder months. This leads to energy savings and extended chiller component life.

Product Features

- Energy Savings
- Closed Loop/Low Maintenance
- Modular and Expandable
- Integrated Intelligent Controls
- Retrofit Configurations Available
- Full and Partial Economization
- 18 Months Parts and Labor Warranty
- 24/7 Service and Support

Glen
Dimplex
Thermal
Solutions



Koolant
Koolers



Base Configuration

Outdoor, Non-Ferrous Construction

Ambient -20°F to 120°F

Flow Design 3 GPM/Ton of Cooling

Max Pressure Drop of 10PSI

10°F ΔT Between Air and Water

Power 460/3/60

NEMA 4/12 Electrical Enclosure

Modbus Communication (Chiller/Economizer)

ANSI Non-Ferrous Flange

Water/Glycol (Max 50% Glycol)

24 VDC Control Voltage

Motorized Control Valve

Options

230/3/60

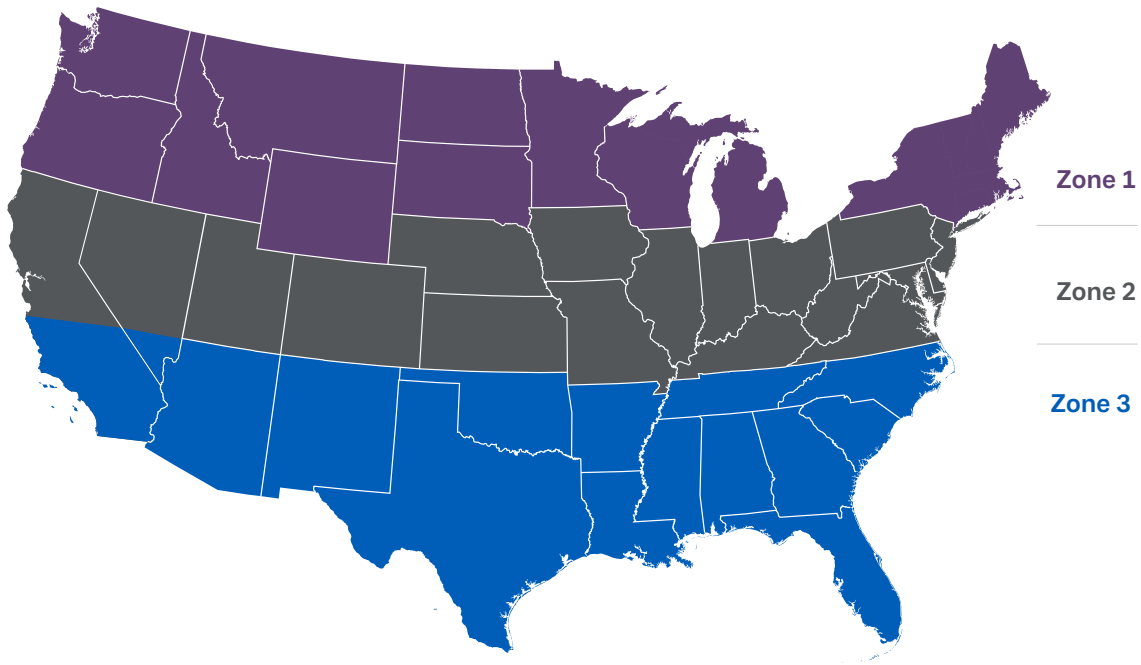
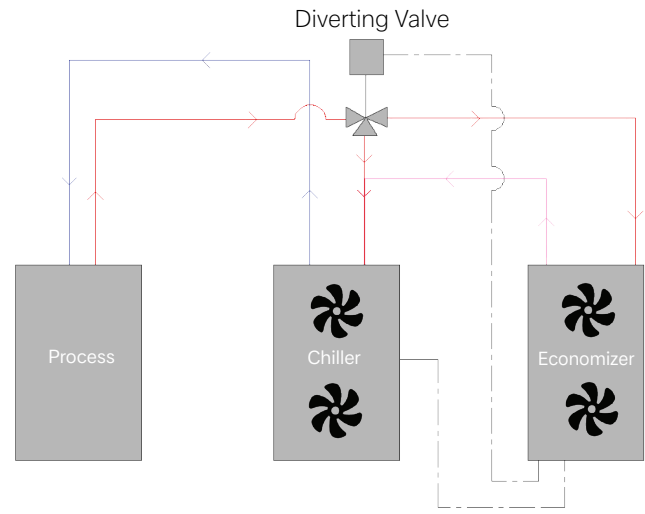
575/3/60

Coated Coils for Corrosion Protection

Return On Investment

ROI varies with ambient temperature and fluid temp. Chiller setpoints control the diverting valve to route process fluid automatically to the economizer when external temperatures warrant.

Contact us for ROI based upon your specific application.



Percent of Annual Operating Hours for Which Ambient Temperatures Will Support Economization
 These numbers are estimates based on ASHRAE provided weather station data. Actual results will vary.

	Zone 1		Zone 2		Zone 3	
	100% Economization	>50% Economization	100% Economization	>50% Economization	100% Economization	>50% Economization
80°LFT	83%	88%	71%	78%	53%	61%
75°LFT	72%	82%	59%	70%	40%	52%
65°LFT	53%	66%	40%	52%	20%	32%
60°LFT	42%	57%	31%	45%	13%	55%

*Percent economization is defined as the number of hours of economizer operation divided by the total number of operating hours in a year.

