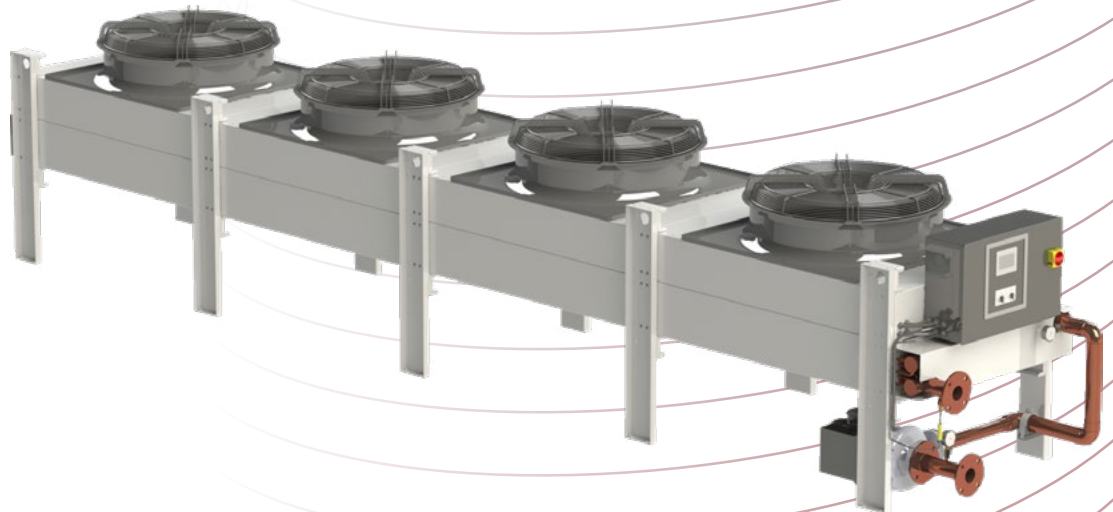
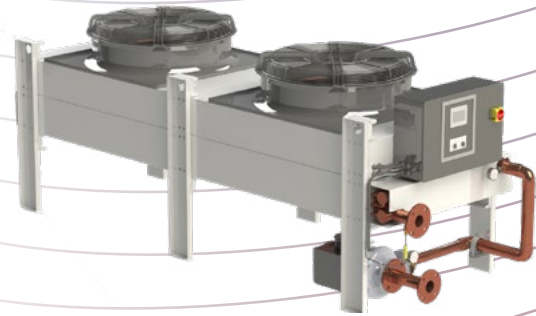
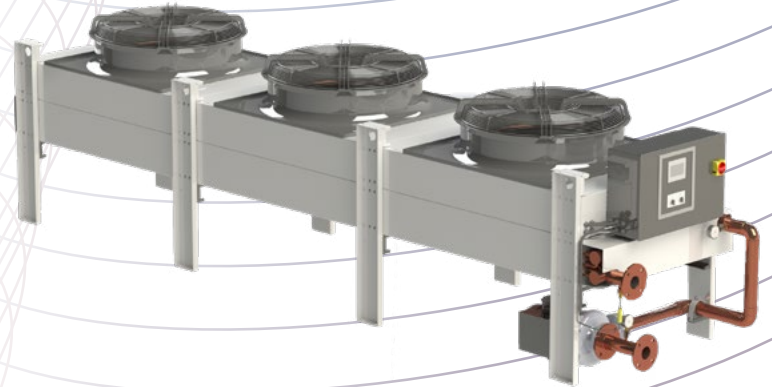


SAVE ENERGY BY SLASHING OPERATING COSTS AND EXTEND THE LIFE OF YOUR CHILLER

The **AquaVent Free Cooler** supplements an existing process fluid chiller. During winter months, the Free Cooler uses free cold ambient air to handle the cooling load.

The Free Cooler delivers savings on energy costs, chiller maintenance, and installation. By responding automatically to ambient conditions, the Free Cooler maximizes free cooling with ambient air, at less than 25% of the cost of running a refrigerant chiller. Supplemental cooling provided by the Free Cooler saves wear on the compressor as well as energy costs—up to 75% savings for systems in northern climates. Installation costs and downtime are minimal, thanks to its factory-mounted circulating pump and controls.

By automatically turning the circulating pump and fans on and off based on ambient temperature, the Free Cooler maximizes savings and minimizes chiller use.



STANDARD FEATURES

- Variable Speed Fans for quiet operation and accurate temperature control
- Circulating pump factory mounted and piped
- Copper tube heat exchanger with polymer coated aluminum fins for corrosion protection
- NEMA 4 UL 508A Control panel with PLC for monitoring and controlling temperature
- Factory assembled and tested in USA
- Low energy consumption
- Low maintenance
- Standard 2, 3 or 4 fan configurations

OPTIONS & UPGRADES

- BAC Net connectivity for remote monitoring
- Stacking kit to lower foot print
- Backup pump

DIMENSIONS & CAPACITIES

Model	Fans Count @ HP	Booster Pump HP	Full Load Amps 460V 3Ø	Dimensions in Inches (L x W x H)	Shipping Weight (lb)
FC-AVI-2F	2 @ 2.5	2	8.6A	124 x 42 x 48	1120
FC-AVI-3F	3 @ 2.5	2	11.7A	178 x 42 x 48	1610
FC-AVI-4F	4 @ 2.5	3	15.6A	232 x 42 x 48	2150

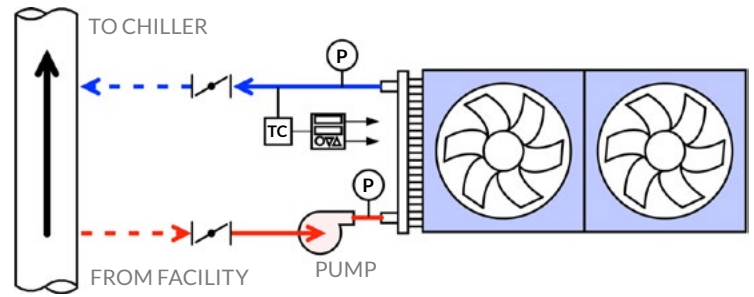
ENERGY & SAVINGS

Model	Flow (gpm)	Leaving Fluid Temp (°F)	Cooling at <40°F Ambient (MBH)**	Cooling at <40°F Ambient (tons)	Savings* in Zone 4 (2000 hrs)	Savings* in Zone 5 (3000 hrs)	Savings* in Zone 6 (4000 hrs)
FC-AVI-2F	50-100	55	360	30	\$6,500	\$9,800	\$13,100
FC-AVI-3F	90-120	55	540	45	\$9,800	\$14,700	\$19,600
FC-AVI-4F	100-180	55	720	60	\$13,100	\$19,600	\$26,200

*Approximate savings based on \$.10 per kilowatt hour and hours of operation in approximate climate zones. See climate zone map above.

**MBH = 1,000 Btu/hr

TYPICAL PROCESS DIAGRAM



CLIMATE ZONE MAP

