

J Series

Small Chiller - Big Results

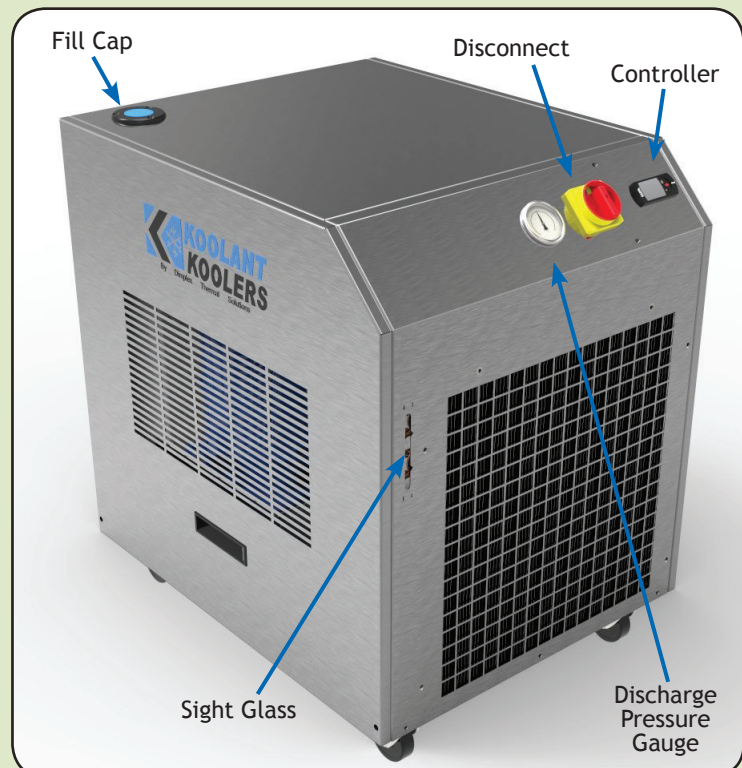
This compact air-cooled unit provides reliable temperature control of process fluids from 50-80°F in ambient temperatures up to 105°F. Its casters yield effortless portability and allow for use with several machines in a process.

Its size, simple operation and ease of maintenance make it the chiller of choice for hundreds of applications. Most models need no special wiring - it is truly a plug and play design.

- Air cooled, closed-loop refrigeration circuit for water or water/glycol operations
- Provides from 1/8 to 2 tons of cooling for indoor use
- Optimized layout of internal components for ease of service
- Various voltage options available
- High pressure models available larger units
- Streamlined manufacturing process for short lead-times
- State-of-the-art 18 month comprehensive warranty
- 24/7 service and support with next days parts service
- Ongoing support offered for the life of the equipment

Sample of Applications:

- Hydraulics
- Waterjet
- Jacketed Cooling
- Laboratory
- Small lasers
- Spot welders
- Spindles
- Induction Heaters
- Diffusion Pumps



UL 1995 certification | 18 month parts & labor warranty | 24/7 service & support

Features Included:

- Brushed stainless steel cabinet for corrosion resistance
- Digital temperature controller for tighter temperature tolerance and control
- Hermetic compressor
- Brazed plate evaporator for greater heat exchange and increased cooling
- Closed tank design increases portability making spills unlikely
- Manual fluid bypass (pressure relief bypass standard on high pressure models)
- Bypass regulator valve
- Discharge pressure gauge
- Refrigerant and tank fluid level sight glasses for ease of maintenance
- Refrigerant filter dryer to protect against contaminants
- Flush-mounted fill port allows unit to tuck into small spaces easily
- Heavy duty casters for ease of portability

High pressure package includes: pressure relief bypass, hot gas regulator, motorized hot gas, auto make-up, flow and float switches (not available on all models)

Ship loose options include: feet, anti-back flow, air filter and fluid filter

J Series General Specifications

(Detailed specs can be found on the individual cutsheets for each model size)

J Series	1/8 TON	1/2 TON	1 TON	1 1/2 TON	2 TON	
Cooling						
Refrigerant:	R134a					
Compressor type:	Hermetic condensing unit					
Condenser type:	Fin and tube					
Fluid Circuit						
Cooling capacity (60Hz):	2,100	5,500	12,000	18,000	24,000	Btu
Fluid temperature (outlet):	65*					°F
Temperature stability:	3					°F
Cooling medium:	water or water/glycol (70/30)					
Tank Capacity:	5		10			gal
Wetted component material:	Non-ferrous, polyethylene					
Evaporator:	Stainless steel copper brazed plate					
Climatic Data						
Site of installation:	Indoor					-
Ambient conditions:	50-95					°F
Noise level:	65-68					dB(A)
Electrical Data						
Voltage Options:						
115/1/60	•	•				
230/1/60		•	•	•	•	
230/3/60					•	
460/3/60			•	•	•	
Certifications/Standards:	UL1995					
Controller type:	Carel IR33					
Additional Data						
Dimensions w/ casters (WxDxH):	21 x 21¾ x 28½		25½ x 30¾ x 35¼		32¾ x 37¾ x 33¼	in
Finish:	430 Stainless Steel					
Crated weight:	245		450	490	630	lb
Wet weight:	290		530	570	645	lb

* This is the rated temperature at 95°F ambient. Temps can vary but will affect capacity - contact factory.