

K1 Chiller



- Exceptionally High 1.75kW Cooling Capacity
- Compact Robust Design
- Totally Reliable Workhorse

Chiller Specification

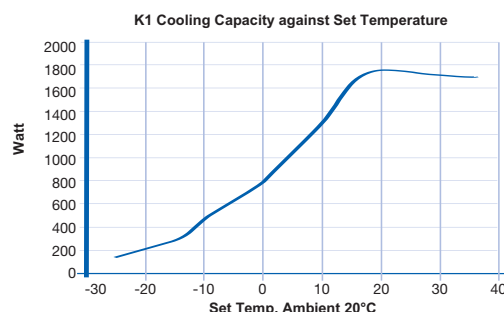
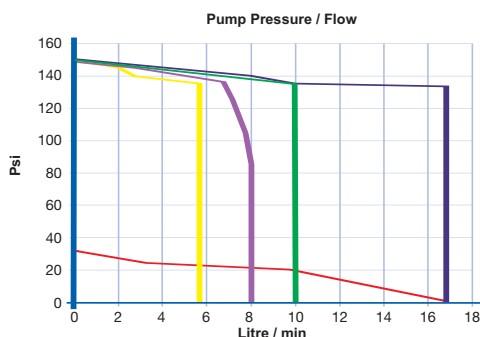
Dimensions L x W x H	545 x 420 x 575 mm
Cooling capacity (water @ 17°C)	1750 watts
Digital temperature display	Dual readouts standard (set point and indicated temperature)
Temperature adjustable	1°C increments
Temperature stability	+/- 0.1°C
Temperature range	+4° to +35°C
Extended temperature range - Optional	-15° to +70°C
Microprocessor 3 term PID temperature controller.	Easy front panel programming, with auto tune, fuzzy logic, for state-of-the art control accuracy.
Temperature alarm - Standard off-set +/- 10°C	Adjustable High / Low - Visual
Low fluid level alarm	Visual
Low fluid flow alarm	Visual
Auto diagnostic functions	Controller and sensor
System volume	2.0 litres
Pressure control system	Standard fitment internal - user adjustable between 5 and 150 psi
Compatible fluids	Hexid fluids / water / propylene glycol
Fluid connections	BSP threaded Male 3/4", Female 1/2". 3/8" and 1/2" barbs also supplied
Compressor over - load protection	Standard
Emergency Off (EMO)	Via main circuit breaker (MCB)
Noise level	68 dB(A) @ 1 metre
Lockable castors for mobility	Standard
Weight (approximate – varies with options)	66kg
Power requirements	7.3 Amps 1ph, 208 V 60Hz, 230V 50Hz and 220V 60Hz Other options available
Warranty	2 years parts, one year labour. Optional 3 year comprehensive

Standard options

CAT NO	DESCRIPTION	USE
SA00005	Water cooled	Isolate application from house water supply, reduces contamination and allows improved temperature control
SA00001	Remote alarm pack	Monitor the performance of a chiller some distance from the application
SA00008	Non return solenoid pack	Prevent siphoning in high pressure applications or when chiller and application are sited at different levels
SA00002	Low temperature pack	Applications that require temperatures below 4°C but above -15°C
SA00003	Heater pack	Applications that require temperatures above 35°C up to 70°C
SA00011	RS 232 / 485	Communication and software pack to allow monitoring and logging of chiller performance
SA00013	In-line deioniser	Applications that require deionised water in the recirculating loop
SA00016	Quick release self sealing connectors	Fast and clean method of changing out a chiller
SA00018	Stainless Steel option	Wet parts in stainless steel or plastic
SA00017	Installation Kit	

Pump Options K1 Chiller - Other pumps can be specified if required.

PUMP	TYPE	FLOW L/MIN	MAX PRESSURE PSI / BAR	MATERIAL
P5	Positive displacement impeller	5	150 (10)	Brass or Stainless Steel (304)
P10	Positive displacement impeller	10	150 (10)	Brass or Stainless Steel (304)
P17	Positive displacement impeller	17	150 (10)	Brass or Stainless Steel (304)
P8	Magnetically coupled rotary vane	8	150 (10)	Stainless Steel (304)
P20	Multistage centrifugal	0-20	26 (1.8)	PPS



ATC

KT1 - Compact, 1000 Watt Chiller

Cool Support

- Unrivalled 3 year warranty support available
- 24 hour swap out support service available
- UK factory, European and regional US service support centres

Cool Savings

- Lowest Cost of ownership - Fastest Pay-back
 - 100% water savings
 - No sewage-waste costs
 - Ultimate equipment Up-time
 - Power efficient

Cool Solutions

- State-of-the-art Dual-display microprocessor PID controller (set-point + actual) $\pm 0.1^{\circ}\text{C}$
- Ultra-low vibration series (OEMs only)
- Whisper-Quiet series
- Widest choice of options
- Build to ISO 9002 CE Standards
- US versions UL approved

*'Outstanding re-circulating
chiller performance,
reliability and support'*



*Cool
Reliability*