

## K3 Chiller



- Exceptionally High 3.2 kW Cooling Capacity (@17°C set point)
- Compact robust design
- Totally reliable workhorse

### Chiller Specification

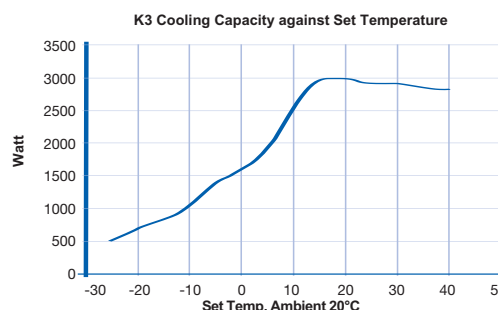
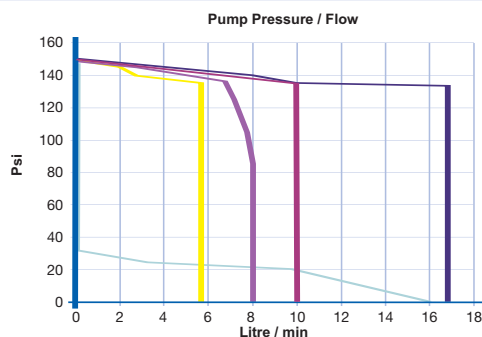
Dimensions L x W x H	540 x 550 x 713 mm
Cooling capacity (water @ 17°C)	3200 watts
Digital temperature display	Dual readouts standard (set point and indicated temperature)
Temperature adjustable	1°C increments
Temperature stability	+/- 0.1°C
Temperature range	+4° to +35°C
Extended temperature range - Optional	-25° 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
Low fluid level alarm	Visual
Low fluid flow alarm	Visual
Auto diagnostic functions	Controller and sensor
System volume	4 litres
Pressure control system	Standard fitment internal - user adjustable
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
Tool-less access	No
Weight (approximate – varies with options)	82kg
Lockable castors for mobility	Standard
Power requirements	12 Amps 1ph, 208 V 60Hz, 230V 50Hz and 220V 60Hz
Warranty	2 years parts, one year labour. Optional 3 year comprehensive

### Standard options

CAT NO	DESCRIPTION	USE
SA00005	Water cooled	To isolate application from house water supply, reduces possibility of contamination and allows improved temperature control
SA00001	Remote alarm pack	To monitor the performance of a chiller some distance from the application
SA00008	None return / solenoid option	To prevent siphoning in high pressure applications or when chiller and application are sited at different levels
SA00002	Low temperature pack	For applications that require temperatures below 4°C but above -15°C
SA00003	Heater pack	For 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	For applications that require deionised water in the recirculating loop
SA00016	Quick release self sealing connector pack	Fast and clean method of changing out a chiller.
SA00018	Stainless Steel pump and fittings	When used with deionised water
SA00017	Installation Kit	

### Pump Options K3 Chiller - Other pumps can be specified if required.

PUMP	TYPE	FLOW L/MIN	MAX PRESSURE PSI / BAR	MATERIAL
P5	Positive displacement impellor	5	150 (10)	Brass or Stainless Steel (304)
P10	Positive displacement impellor	10	150 (10)	Brass or Stainless Steel (304)
P17	Positive displacement impellor	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



web site: <http://www.app-therm.com>

Applied Thermal Control Ltd, Garden Court, Gee Road, Coalville, Leicestershire, LE67 4NB, UK  
e-mail: [sales@app-therm.com](mailto:sales@app-therm.com) Tel: +44 (0) 1530 839998 Fax: +44 (0) 1530 813786