

Affinity® Thermal Control Products from Lydall

Lydall Affinity® thermal control solutions are designed and built to your manufacturing specifications and are focused on reducing energy consumption. High-performance refrigerated and non-refrigerated chillers and heating systems in compact, modular and user-friendly designs, deliver process temperature ranges of -80°C to +200°C.

Innovative, modular design.

Reliable performance.

Flexible applications.

P-Series — Air Cooled Chiller

Available Options:

- Air-cooled or water-cooled heat rejection
- Alternative coolant temperature ranges
- Many electrical configurations
- Various pumps available
- Open reservoir system
- RS-485 & RS-232 communications
- WinChill Control Software
- Various interlocks for flow, level, temp, etc. Choice of DB-25 or 4-pin configuration
- Internal or external coolant loop deionizing cartridges & sensors
- Coolant loop filter packages
- Stainless, engineered plastics, nickel only on wetted surfaces
- Adjustable low flow switch
- Quick connect external hose packages

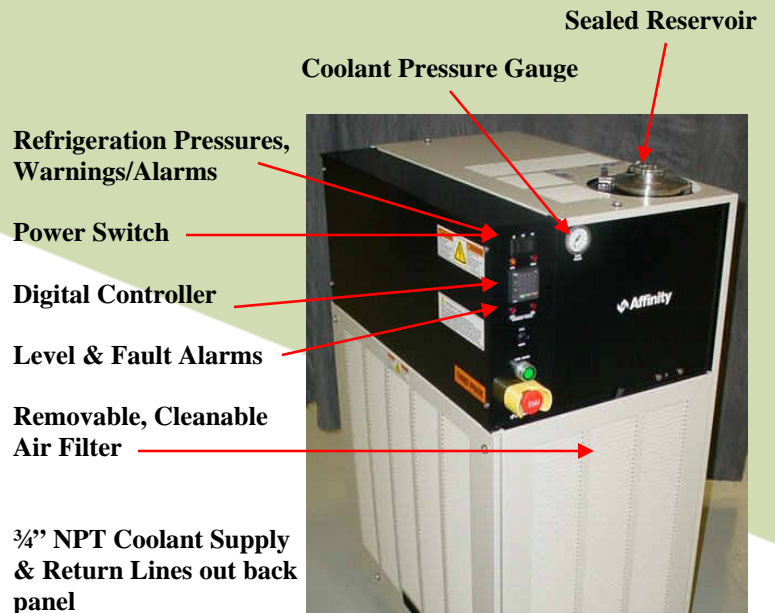
Not all options available on all models.

Features:

- Copper, hard plumbed coolant loop
- Pressurized, sealed reservoir
- 8 kW heater
- High process temperature range (90° C)
- Designed for use with water/glycol mixture



Now you have a choice.



System Performance Characteristics

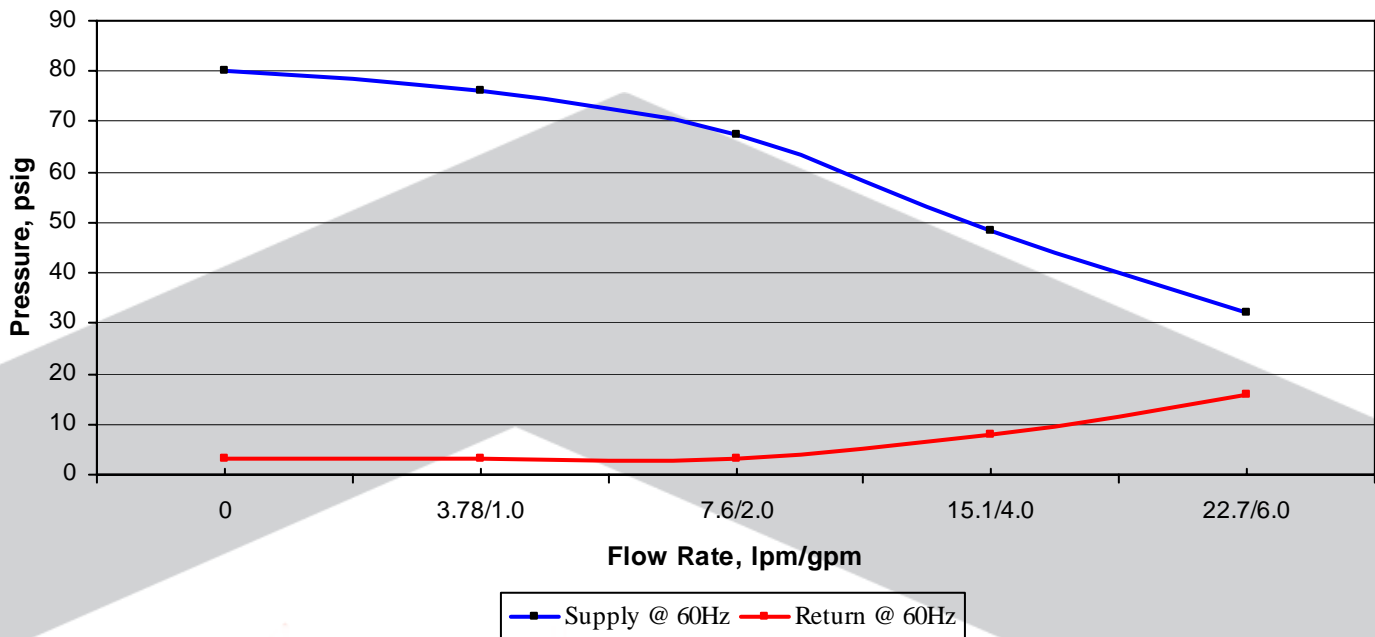
Model Nomenclature	PAE-007K-BE38CBC3
CE Marked	Yes
Weight	400 lbs.
Dimensions	27.625" L X 19.125" W X 36.75" H
Ambient Temperature Range	41° F - 95° F (5° C - 35° C)
Process Temperature Range	39° F - 194° F (4° C - 90° C)
Nominal Heat Removal	2.5 kW
Pump Performance @ 60 Hz	4 gpm @ 40 psi
Electrical Configuration:	
Voltage @ 60 Hz	208 - 230 Volts +/-10%
Voltage @ 50 Hz	200 - 220 Volts +/- 10%
Phase	3
Total Amps	46.4
Maximum Fuse Disconnect (required of customer)	60
Refrigerant	R-134a

Notes:

Data at 35°C unrestricted ambient air for air-cooled chillers.
Capacities decrease with increasing plant water temperature.

Pump Performance

Coolant pressure versus flow rate



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