

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*

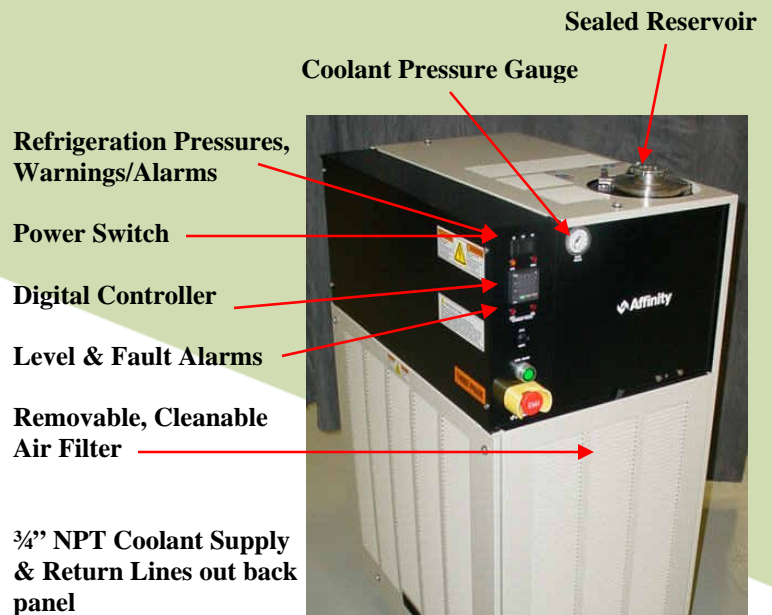
## Available Options:

- 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.**



Now you have a choice.



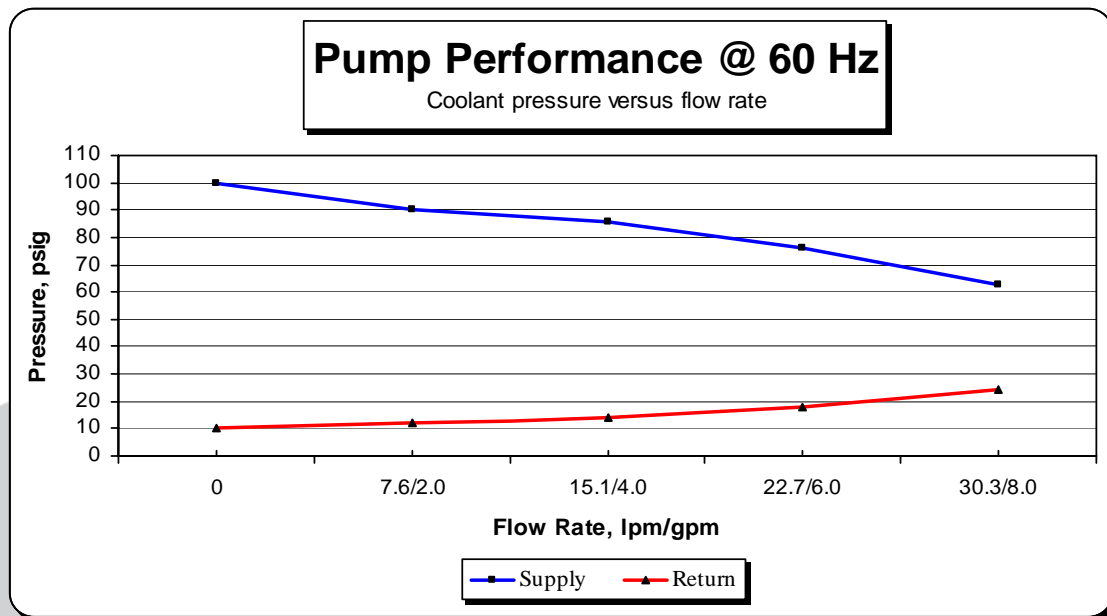
## System Performance Characteristics

Model Nomenclature	PAG-040K-BE44CBD2
MET Listed	Yes
CE Marked	Yes
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	-40° F – 185 F ( -40 ° C - 85° C)
Nominal Heat Removal	500 Watts @ -40° C (-40°F)
Pump Performance @ 60 Hz	3 gpm @ 65 psi
Electrical Configuration:	
Voltage @ 60 Hz	208-230 Volts +/- 10%
Voltage @ 50 Hz	200-220 Volts +/- 10%
Phase	3
Total Amps	29,8
Maximum Fuse Disconnect (required of customer)	45
Power Cord Supplied	Yes, 10 ft.
Refrigerant	R-507 (8 lbs)

### Notes:

Data @ 30°C/86°F unrestricted ambient air for air-cooled chillers.

Capacities decrease with increasing ambient temperature.



Now you have a choice.

Lydall Industrial Thermal Solutions, Inc.

E-mail: [affinity\\_sales@lydall.com](mailto:affinity_sales@lydall.com)

Tel: (603) 539-3600

All data and statements concerning these products may be considered as being indicative of representative properties and characteristics obtainable. Since industry practices vary, we make no warranty, express or implied, concerning their use, nor do we accept responsibility for any misapplications or these products or their use under any conditions.