

# P Series

Self-Contained Modular System  
5 to 60 Ton Capacity Modules

## Modular, Pressurized, Customizable Platform

Pump, reservoir, and header piping in each module create a self-contained, scalable system. Multiple modules operate as single units with the ability to stage compressors for capacity control, while the oxygen-free system prevents evaporation and biological growth. The series is configurable to support N+1 designs.

## Product Summary

- Pressurized modules with ability to add pumps and reservoirs as needed
- Master control with independent pressure and flow sensors - individual modules with local control and alarms
- System output adjusts automatically to match partial-load demand
- Indoor and outdoor models available
- Air-cooled or water-cooled condensers
- Water or water/glycol fluids
- Fluid setpoint range 50 to 90°F
- Capacities: 73,350 to 714,000 BTU/hr per module (at 65°F fluid temp and 95°F ambient. Temps can vary but will affect capacity.
- Temperature stability  $\pm 3^{\circ}\text{F}$  (optional  $\pm 1^{\circ}\text{F}$ )
- Ambient temperature:
  - 50 to 95°F (indoor)
  - 20 to 95°F (outdoor standard)
  - 20 to 115°F (outdoor high ambient)(Designs for ambients above/below are available - please contact factory.)
- Built to UL 1995
- 18-month parts and labor warranty
- 24/7 service and support
- Next day parts available



**Glen  
Dimplex**  
Thermal  
Solutions



**Koolant  
Koolers**



## Base Configuration

Air-cooled condenser  
Hermetic scroll compressor  
30 psi pump  
Pressurized tank  
Manual fluid bypass valve  
Hot gas regulator  
Braze plate evaporator  
Cleanable air filters  
R407C refrigerant  
Powder-coated cabinet

## Options\*

Water-cooled condenser  
Non-ferrous wetted surfaces  
Redundant pumps  
Header bypass valve  
External mounted expansion tank  
Master controller (w/ sensors) for N+1  
Remote display  
Auto makeup valve  
Glycol makeup  
Flow and pressure pump upgrades  
Communication protocols  
50 and 60Hz power options  
CE certified  
CSA certified or compliant

\*Not all options are available in all sizes.

MODEL	CAPACITY <sup>a</sup> @ 65°F fluid setpoint and 95°F ambient	CAPACITY <sup>a</sup> @ 44°F fluid setpoint and 100°F ambient	VOLTAGE	FLA <sup>a</sup>	COMPRESSOR	INLET/OUTLET PORT SIZE	TANK CAPACITY	UNIT DIMENSIONS (L*W*H)	CRATED WEIGHT	PUMP STANDARD		PUMP PRESSURE 60 PSI UPGRADE		PUMP FLOW UPGRADE	
	BTU/HR	BTU/HR			HP	INCH	GAL	INCH	LBS	GPM	PSI	GPM	PSI	GPM	PSI
PVO-5000-M	73,350	44,350	460/3/60	19.0	5	2	30	45 x 38 x 74	900	15	30	15	60	25	30
PVO-7500-M	97,350	62,350	460/3/60	21.7	8	3	30	54 x 38 x 74	1000	25	30	25	60	40	30
PVO-10000-M	129,350	78,350	460/3/60	25.8	10	3	30	54 x 38 x 74	1000	30	30	30	60	50	30
PVO-15000-M	202,350	132,350	460/3/60	45.7	7.5 (x2)	4	35	53 x 55 x 97	2,200	45	30	45	60	60	30
PVO-20000-M	266,350	164,350	460/3/60	59.6	10 (x2)	4	35	65 x 55 x 97	2,200	60	30	60	60	80	30
PVO-30000-M	403,350	250,350	460/3/60	72.5	10 (x3)	4	35	96 x 55 x 97	3,200	90	30	90	60	110	30
PVO-40000-M	540,350	336,350	460/3/60	104.2	10 (x4)	6	60	65 x 96 x 107	4,400	120	30	120	60	150	30
PVO-60000-M	714,350	508,350	460/3/60	150.0	10 (x6)	6	60	96 x 96 x 107	5,000	180	30	180	60	200	30

Fluid temperatures and ambients can vary from those stated. Please consult the factory for the effect on capacity.

<sup>a</sup> Does not include pump upgrade.

