

HVAC Packaged Pumping Systems

GRUNDFOS PACOPAQ™

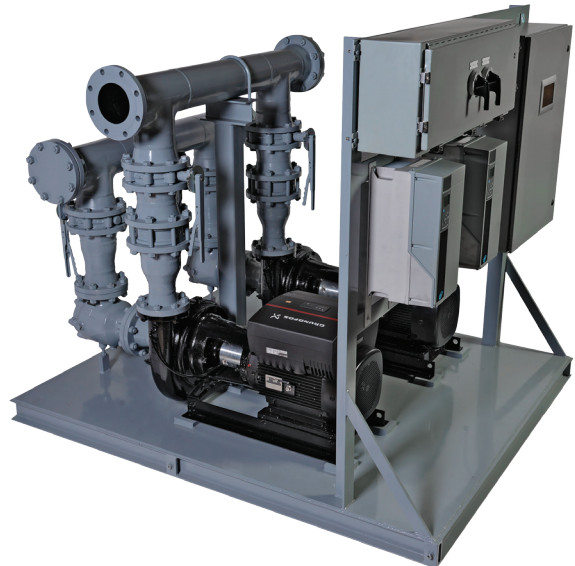
The PACOPAQ™ is a packaged pumping system designed for commercial HVAC applications. The 2, 3 or 4 pump system features advanced controls, an integrated Grundfos variable frequency drive and comes standard with reliable PACO pumps. Modular customization is available for applications with specific requirements.

Key Features and Benefits

- Complete unit, single source responsibility for reduced installation costs
- Complete range of end suction and vertical in-line PACO pumps
- CU 352 control system for ease of use and integration with your facility
- ISO 9001 manufacturing facility provides quality construction and value-added services
- Innovative design and intensive engineering effort translate into lower initial cost, longer pump life, and lower maintenance costs
- Systems designed for maximum efficiency, reliability, and quieter operation for the end user
- Systems are thoroughly tested before they ship from the factory

Systems provide innovation solutions to the following markets:

- Commercial and Industrial
- Data Centers
- Primary and Secondary Education
- Healthcare
- Colleges and Universities
- Government and Military



APPLICATIONS

- Chilled water distribution
- Hot water distribution
- Condenser water distribution
- Geothermal loop
- District heating and cooling

PACOPaQ Technical Data

Control variant	PACOPaQ
Hydraulic data	
Maximum head ft [m]	150 ft [45 m]
Flow rate gpm [m ³ /h]	0 to 4600 ft [0 to 1045 m]
Liquid temperature °F [°C]	0 to 240 ft [-18 to 115 m]
Maximum operating pressure psi [bar]	150 psi [10 bar]
Pump and motor data	
Number of pumps	2, 3, or 4
Motor power hp	5 to 100
Valve and fittings	
Check valve: Non-slam	2" to 12" [5 to 30 cm]
Isolation valve: Butterfly	2" to 12" [5 to 30 cm]
Suction diffuser	2" to 12" [5 to 30 cm]
Concentric reducer	•
Eccentric reducer	•
Materials	
Adjustable pipe supports	•
Channel base frame	4" to 8" [10 to 20 cm]
Header: Schedule 40 steel	4" to 14" [10 to 36 cm]
Decking: 1/4" gage hot rolled	•
Pipe connections	
ANSI flange	•
Approvals	
ISO 9001	•
Electrical data	
VFDs	5hp to 100hp [3.7kW to 74.6kW]
Power distribution	30A to 400A
Controls panel	•
Functions	
Pump cascade control	•
Automatic pump changeover	•
Dual zone, closed loop PID control	•
Integrated COMM link with VFDs	•
Options	
Standby pumps	○
CIM (Communication Interface Module)	○
Air Separator: ASME tangential, with strainer	○
Air Separator: ASME tangential, without strainer	○
Expansion Tank: ASME, bladder, top feed	○

- Available as standard.
- Available as accessory

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