

PACOpAQ™

HVAC PACKAGED SYSTEMS

be
think
innovate

GRUNDFOS 

GRUNDFOS PACOpAQ™ HVAC SYSTEMS

Grundfos' PACO brand is the preferred choice of centrifugal pumps for many market applications, including HVAC, plumbing, recreation, waterworks, wastewater, irrigation and agriculture, aquaculture, steel mills and power plants. Nearly all PACO products are custom designed to provide a perfect fit for the customers' applications. PACO's innovative designs and intensive engineering efforts translate into lower initial cost, longer pump life, reduced operating and maintenance costs, maximum efficiency and reliability, and quieter operation for the end user.

QUALITY ENGINEERING

Grundfos designs and manufactures tough, versatile products to meet your pumping needs. We offer a complete range of inline, end suction, horizontal split case and vertical turbine PACO pumps, many of which feature the innovative Grundfos MLE motor with integrated variable frequency drive.

With our packaged Commercial Building Systems, Grundfos can design and build engineered systems ranging from a simple pump and driver arrangement on a skid to a fully enclosed, completely integrated pump and control center with a choice of electric drivers and all the required controllers, fittings and ancillary equipment according to ASHRAE 90.1 Buildings codes.

INTEGRATED CONTROL SYSTEM

The CU 352 proves that the most advanced controller on the market does not have to be the most complicated. The CU 352 is equipped with a big color screen that communicates in plain text and with intuitive icons. The start-up wizard quickly and easily guides users through the commissioning phase, helping them to set all parameters in the correct sequence.

The ability to optimize energy usage by choosing the most appropriate number of running pumps is just as important to maximizing efficiency as using the best pumps and motors. The CU 352 uses pump curve data to determine the most efficient speed and number of pumps in order to meet the desired flow and pressure.



ACCURATE PREDETERMINED COST

In a component system, an accurate estimate of total costs is not always possible. Availability and interfacing of separately manufactured components can produce serious cost overruns as well as unforeseen operational problems. Grundfos Commercial Building Systems eliminate these headaches because total costs are accurately determined pre-installation. Provisions can be made for future expansion as well.

FEATURES AND BENEFITS

- Complete unit responsibility for reduced installation costs
- Worldwide technical and commercial support to assist with state-of-the-art designs
- ISO 9001 manufacturing facility provides quality construction and value-added services
- CU 352 HVAC control system for ease of use and integration with your facility

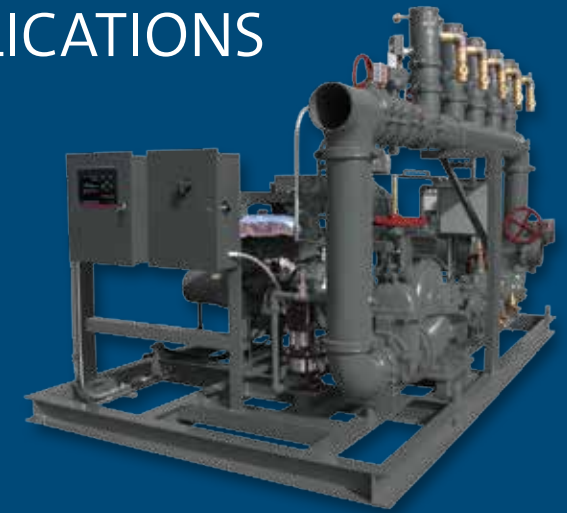
SINGLE SOURCE SERVICE AND WARRANTY

Grundfos Commercial Building Systems will save you valuable time when servicing is required. Whether it's a relief valve, pump gauge, control circuit, or installation supervision and startup, our reliable network of certified service engineers worldwide can do the job.

FACTORY TESTING

During factory testing, the pump receives a certified curve, and controllers are wired and tested. The packaged system piping is hydrostatically tested to ensure piping integrity. An electrical test is performed to verify the function of each component. By taking a systems approach to pump package design, important safety features are integrated into the system.

PACOpAQ™ MODULAR SOLUTIONS CUSTOMIZED SYSTEMS FOR SPECIFIC APPLICATIONS



STANDARD HVAC SYSTEMS WITH LCS, LF AND LC PUMPS AND GRUNDFOS INTELLIGENT CONTROL



GRUNDFOS **TECHNICAL INSTITUTE**

The Grundfos Technical Institute (GTI) offers busy professionals the opportunity to maintain their continuing education credits through a wide variety of flexible learning avenues.

Visit www.grundfos.us/training, to choose from a number of education possibilities that suit your needs and schedule, including face-to-face classes, group webinars and self-directed online courses.

GRUNDFOS COMMERCIAL BUILDING SYSTEMS

Grundfos is a leading supplier of full-range pump solutions from water supply to wastewater discharge and every application in between.

At Grundfos, we think beyond the pump. Our goal is to understand the building as a whole in order to develop solutions built with intelligence and adaptability.

This approach has made us a preferred partner for contractors, consulting engineers and building owners as they look to build the most sustainable and efficient commercial buildings in the world.

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