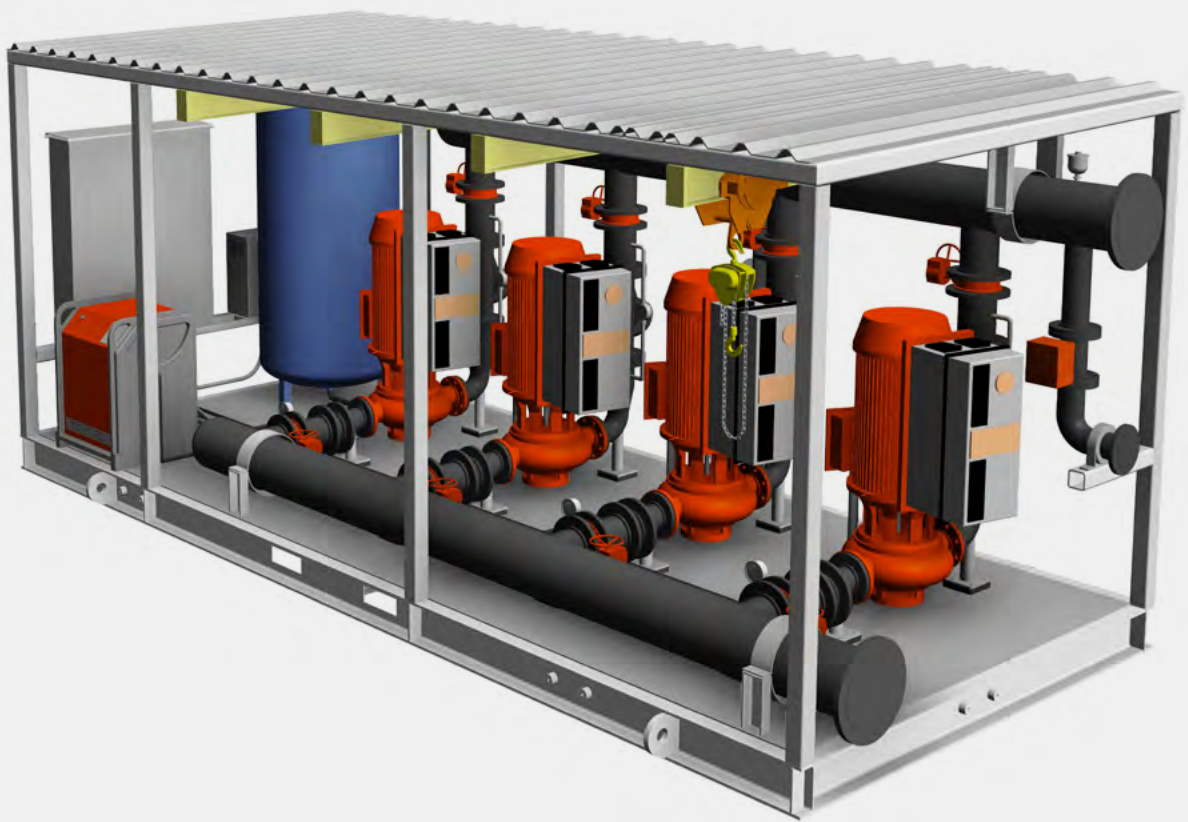


YORK[®] Pump Power Control (YORK PPC)



Quality hydronic pump skid for air-cooled chillers

Improving reliability and performance

The Johnson Controls Hydronic Pump Skid for air-cooled chillers combines our deep chiller expertise with our well-earned reputation for innovation and manufacturing excellence.



Applications and options

Our fully engineered hydronic solution facilitates easy installation and has been engineered to increase the energy efficiency of your operations. This means enhanced reliability and boosted performance.

Our Hydronic Pump Skids feature proven technology and are built to be robust enough for outdoor installations. These are perfect for both retrofits and new installations. Completely self-contained to supply all the components you need, each pump skid is customizable to match a broad range of applications.

These hydronic pump skids are designed to be more flexible for different applications, including primary chilled/hot water systems, and primary-secondary chilled/hot water systems. The skids are more versatile and can be used in water-cooled systems as chilled water and condenser water pump skids. Please contact your local Johnson Controls sales office for more information.

Johnson Controls pump skids can be supplied with a range of options to meet your needs:

- Buffer tanks
- Automatic dosing system
- Insulation cladding
- BTU meter
- Indoor skid
- Advanced designs featuring unequal number of chillers and pumps



Features and benefits

Single point of contact and responsibility for design, manufacture and commissioning helps avoid coordination issues and improves project management.

Maximized operational efficiency means reduced downtime for retrofit and replacement projects.

The highest quality standards, as our units are manufactured and prewired (electrical and controls) in controlled factory environments by a well-trained team following advanced production processes.

Guaranteed performance as the units are engineered, manufactured and commissioned by the same team of experts at Johnson Controls.

Optimized space utilization makes for a much smaller footprint and saved space.

Improved project management as the skid can be manufactured while building construction is already underway.

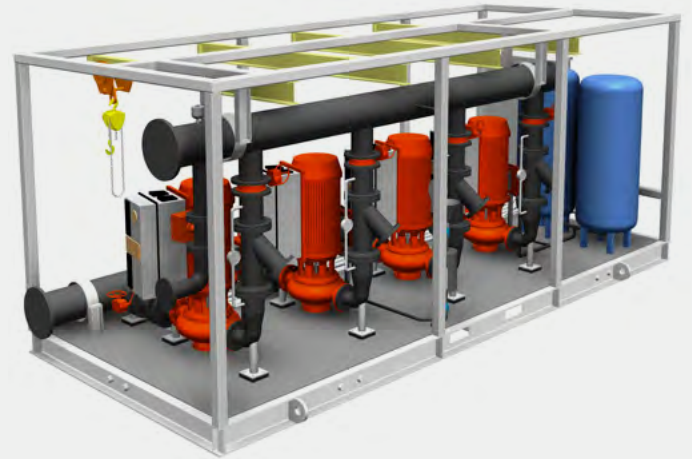
Reduced EHS risks because site work is greatly reduced.

Easy to relocate and install with forklift or crane and easy to service with in-built provisions.

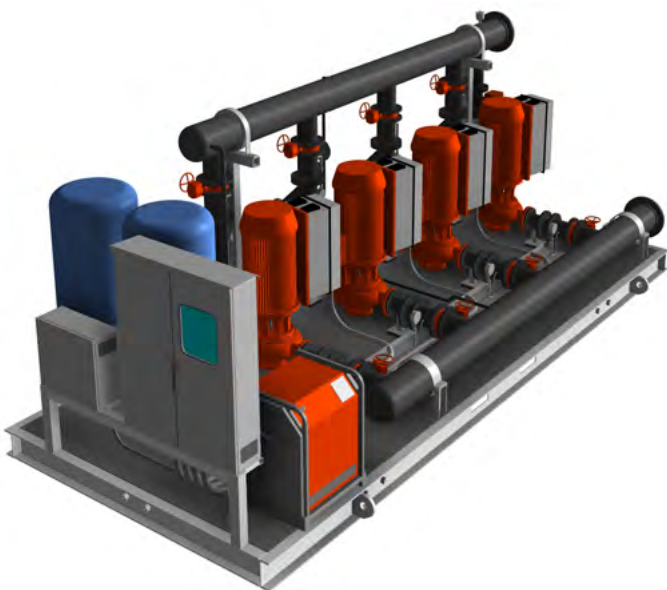
Self-contained design gives you all you need

What is inside the pump skid?

- Steel structure
- Pumps
- Pressurization unit and expansion tank
- Valves and strainers
- Bypass valve
- Pipes and insulation
- Control panel
- LV panel
- Manual dosing pot
- Power and control cable including cable tray
- Overhead gantry and chain pulley block
- Sun protection roof



Indoor skid option



The highest
quality -
as standard

Specifications and operating data

Pump skid model	YPPC22P3	YPPC22P4	YPPC30P3	YPPC30P4	YPPC45P3	YPPC45P4
No. of pumps in skid	3	4	3	4	3	4
Water distribution system	Variable Primary, Constant Primary or Primary / Secondary					
Max flow per pump gpm (lps)	550 (35)		745 (47)		1000 (63)	
Total head ft (m)	150 (45)					
VPF bypass valve (mm)	65		80		100	
Pressurization unit	3.0 Bar dual pump					
Expansion tank (Bladder)	1000 lit x 1					
Pump motor (power/starter)	22 kw / VFD		30 kw / VFD		45 kw / VFD	
Power supply	3 Ph, 380-415 Volts, 50 Hz or 60 Hz					
Electrical load CL (connected load in kW)	69	91	93	123	138	183
Skid dimensions (L x W x H) mm	5700 x 2450 x 2650					
Skid Net weight - 3 Pump / 4 Pump (kg)	7000 / 9000					
Skid operating weight - 3 Pump / 4 Pump (kg)	8500 / 10500*					
Header pipe size in/out - mm	200		250		300	

May change as per site requirements and final design.

*Will vary based on final configuration

Pump skid design and manufacturing standards

Piping:	ASME B31.3
Structural Steel Construction:	BS 5950
Piping Material:	ASTM A53 GrB ERW, B36.10/API 5L/A53 B36.10/ASTM A105, and EN1092/BS4504
Structural Steel Material Grade:	S275 JR to BS EN10025, 10113 or 10210
Steel Structures Painting Council Standard:	SSPC-SP10
Lifting hook provision:	ASME B30.20
Electrical:	IEC standards

Partner with a trusted global leader

About Johnson Controls

Johnson Controls has been making buildings smarter since 1885, and our capabilities, depth of innovation experience, and global reach have been growing ever since.

Today, we offer the world's largest portfolio of building products, technologies, software, and services.

Our broad portfolio of solutions and controls is built on a foundation of innovation and expertise in creating comfortable and sustainable building environments.

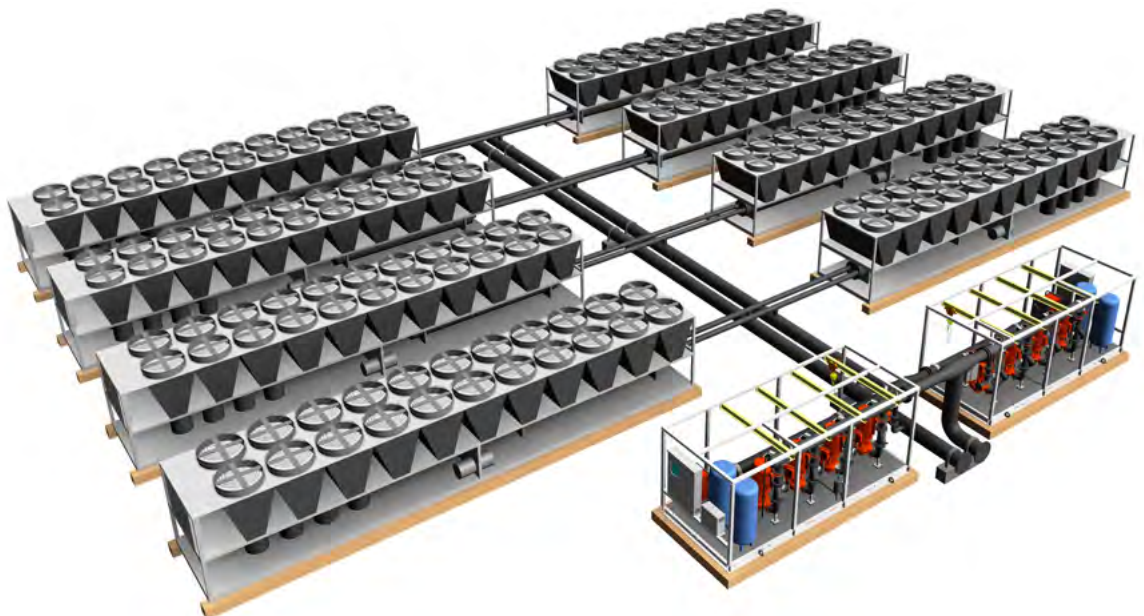
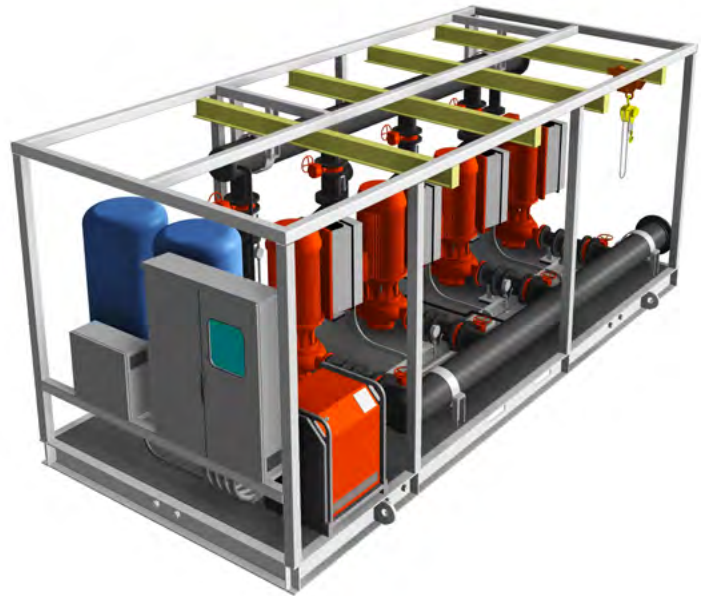
Our presence in Abu Dhabi

The Johnson Controls facility in Abu Dhabi, UAE, was established in 1996. It has a total area of 8,000 m², which includes 6,000 m² of covered workspaces. The factory is divided into three main areas: a mechanical workshop, an electrical and control panel workshop, and the warehouse.

This facility is certified to ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 standards.

We have a team of skilled and experienced personnel who are passionate about building world-class water-cooled chiller modules and pump skids for air-cooled chillers.

Our in-house QAQC and HSE teams ensure product quality and high standards without compromising on occupational health and safety.





Combining leading
chiller expertise with
our well-earned
reputation for innovation
and manufacturing
excellence.



Now you have learned a little about our quality and expertise, [contact us today](#) to discuss how our Hydronic Pump Skids can boost your operations.

About Johnson Controls

At Johnson Controls, we transform the environments where people live, work, learn and play. From optimizing building performance to improving safety and enhancing comfort, we drive the outcomes that matter most. We deliver our promise in industries such as healthcare, education, data centers and manufacturing. With a global team of 100,000 experts in more than 150 countries and over 135 years of innovation, we are the power behind our customers' mission. Our leading portfolio of building technology and solutions includes some of the most trusted names in the industry, such as Tyco®, YORK®, Metasys®, Ruskin®, Titus®, Frick®, Penn®, Sabroe®, Simplex®, Ansul® and Grinnell®.

For more information, [visit www.johnsoncontrols.com](http://www.johnsoncontrols.com) or follow [@johnsoncontrols](https://twitter.com/johnsoncontrols) on Twitter.

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The power behind **your mission**

