

ARO[®]

An Ingersoll Rand Business



Custom Pump Solutions for Data Center Cooling

Engineered. Integrated. Ready to Run.

The demands on data center cooling have never been higher

Rack densities are rising. Cooling architectures are getting more complex. And deployment windows aren't getting any longer. The fluid management systems supporting all of it need to be more reliable, more integrated, and easier to get in the ground. Getting it right means having the right fluid management partner across every system in your facility.



Higher Heat Loads

Rack densities are climbing fast. Cooling systems need to move more heat, more reliably, without compromise.



More Complex Architectures

CDUs, liquid cooling loops, rear-door heat exchangers, glycol systems — modern data halls require precise fluid management at every level.



Faster Deployment Timelines

Data Center operators can't afford slow, complicated installations. Cooling infrastructure needs to be ready when the facility is.

Managing fluid across every part of that infrastructure

reliably, efficiently, and at speed — is where the difference is made.

The right pump solution for every part of your cooling system

We cover every critical fluid system in a modern data center — from condensate management to high-flow cooling and backup fuel transfer. One partner who understands the whole picture.



Condensate Management

ARO Hartell Series removes moisture before it reaches sensitive IT equipment. Handles hot condensate up to 212°F (100°C), low-noise for live data hall environments, CUL 2043 plenum-rated for compliant installation. A2L/A3 compliant. 115V–460V options.

or scan QR code



Mission-Critical Cooling — ARO CF Series

Steady, high-flow circulation for CDUs and chilled water loops. Up to 2,500 GPM (9,463.5 L/min) for AI and HPC heat loads. Corrosion-resistant construction for glycol-based systems. Built for 24/7 operation where downtime is not an option.

or scan QR code



Backup Power Fuel Transfer ARO Lubrication Gear Pumps

Reliable fuel delivery every time generators need to start. Pulse-free design eliminates pressure spikes. Rated to 500 PSI (34.47 bar) and 475°F (246°C) for fuel-oil environments. UL Listed for safe generator room installation.

or scan QR code



There's a faster, simpler way to deploy cooling infrastructure

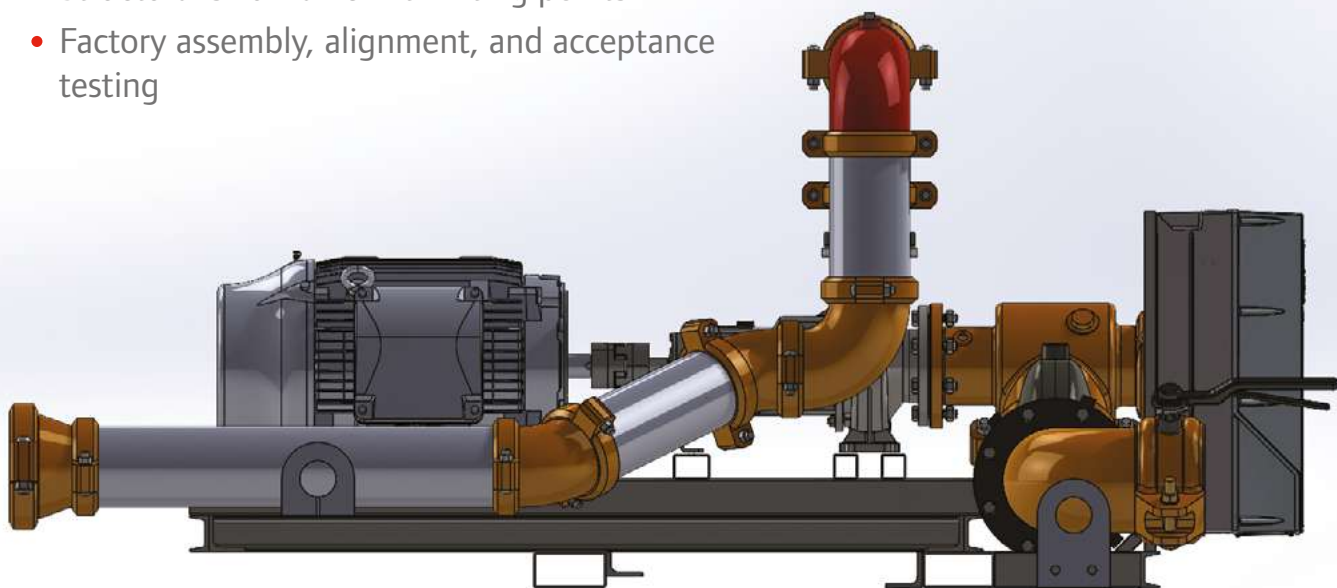
What if you could skip the integration work entirely?

ARO designs, engineers, and delivers complete pump skids and cartridges — fully integrated cooling systems supplied as a single, ready-to-install unit.

You specify your operating requirements.

We take care of everything else:

- Hydraulic design and pump selection
- Motor sizing and coupling
- VFD controls and communication integration
- Fluid management and suction conditioning
- All internal piping, valves, and fittings
- Structural skid frame with lifting points
- Factory assembly, alignment, and acceptance testing



*We came to ARO looking for a replacement pump.
What we really needed was a complete cooling solution that
simplified installation and startup.*

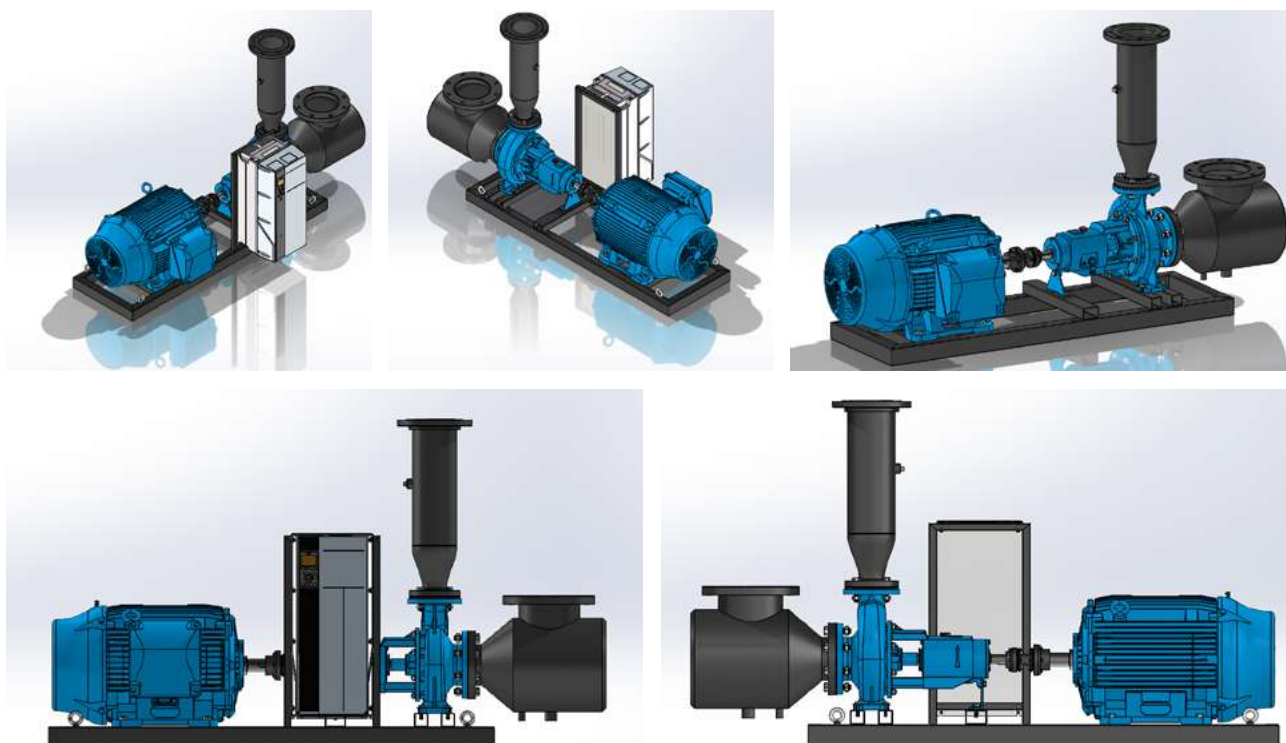
Not just a pump. A complete, plug-and-play cooling solution



Here's what an ARO pump skid looks like in practice — a fully integrated cooling system engineered, assembled, and tested before it arrives on site.

Every skid is designed around unique operating requirements, helping reduce installation time, simplify commissioning, and ensure reliable performance from day one.

No two data centers are the same — and no two ARO pump skids are either. Flow requirements, piping configuration, controls integration, electrical specifications, footprint constraints, and serviceability preferences can all be tailored to the application.



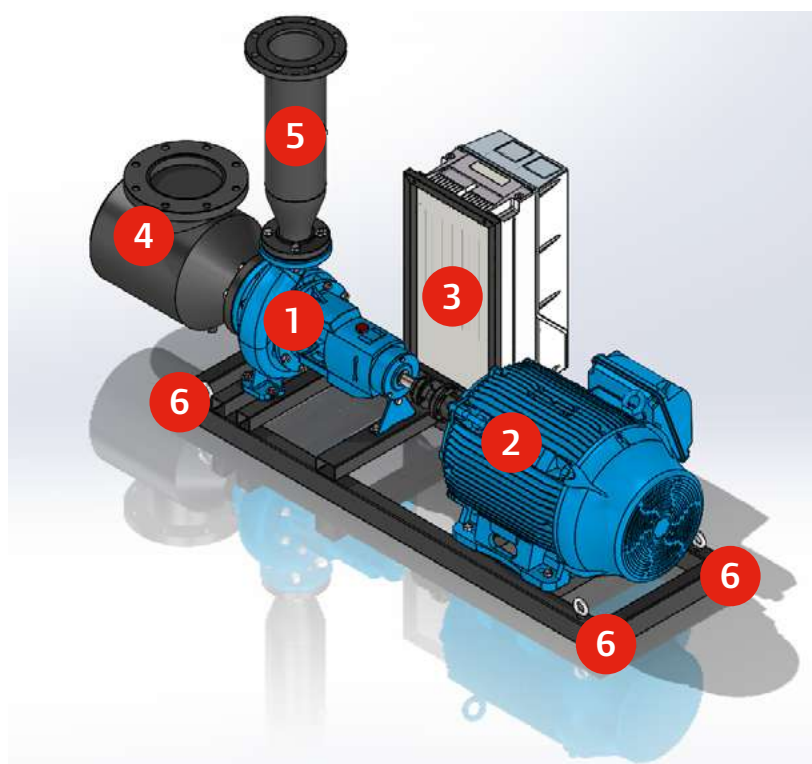
Representative ARO pump skid shown. Final configuration varies based on application requirements.

Every component selected, sized, and engineered as a system

From the pump and motor to the last fitting and valve — everything is handled before the skid leaves our facility.

What can go into every ARO skid:

	Component	What it does
1	Centrifugal Pump	Moves coolant through your loop — impeller trimmed to your exact flow and pressure requirements
2	Motor	Powers the pump — sized to your horsepower and efficiency requirements
3	VFD (Variable Frequency Drive)	Controls motor speed based on demand, reducing energy consumption and enabling integration with facility control systems through protocols such as BACnet, Modbus, Ethernet/IP, and others
4	Suction Diffuser	Conditions inlet flow and catches debris — protects the pump and extends service life
5	Outlet Connection	Your only field task — connect supply, return, and power
6	Structural Skid Frame	Pre-aligned base with lifting points — everything arrives mounted and ready
7	Piping & Fittings	Pipe runs fabricated and assembled at our facility



Why engineering teams choose ARO for mission-critical cooling

ARO reduces complexity at every stage — from specification to commissioning and beyond.



Streamlined Supply

One partner, one order, one invoice. Pump, motor, controls, valves, piping, and frame — all from ARO.



Custom Hydraulics

Pump volutes & impellers designed for your operating point at full trim and BEP. Performance matched to your system.



Lower Energy Costs

Hydraulics optimized for your BEP means less wasted power — measurable savings on chiller demand and total energy draw.



Faster Installation

Factory-assembled and tested before delivery. What used to take days of field integration takes hours.



Smaller Footprint

Integrated skid designs optimized for your available space — tighter and more accessible than field-assembled alternatives.



Guaranteed Uptime

Startup, commissioning, and ongoing asset management. Local support backed by a global service network.



Reliable Lead Times

Global ARO manufacturing capabilities built to meet demanding timelines — and scale with your growth.



Better Working Capital

Fewer vendors, faster installation, and higher reliability reduce inventory costs, downtime risk, and total cost of ownership.



Ready to simplify your cooling infrastructure?

From faster deployment to simpler installation and long-term operational reliability — ARO custom skid and cartridge solutions are built to make your cooling infrastructure one less thing to worry about.

Let's find the right solution for your project. Contact us.



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About Ingersoll Rand Inc.

Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit www.IRCO.com.

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