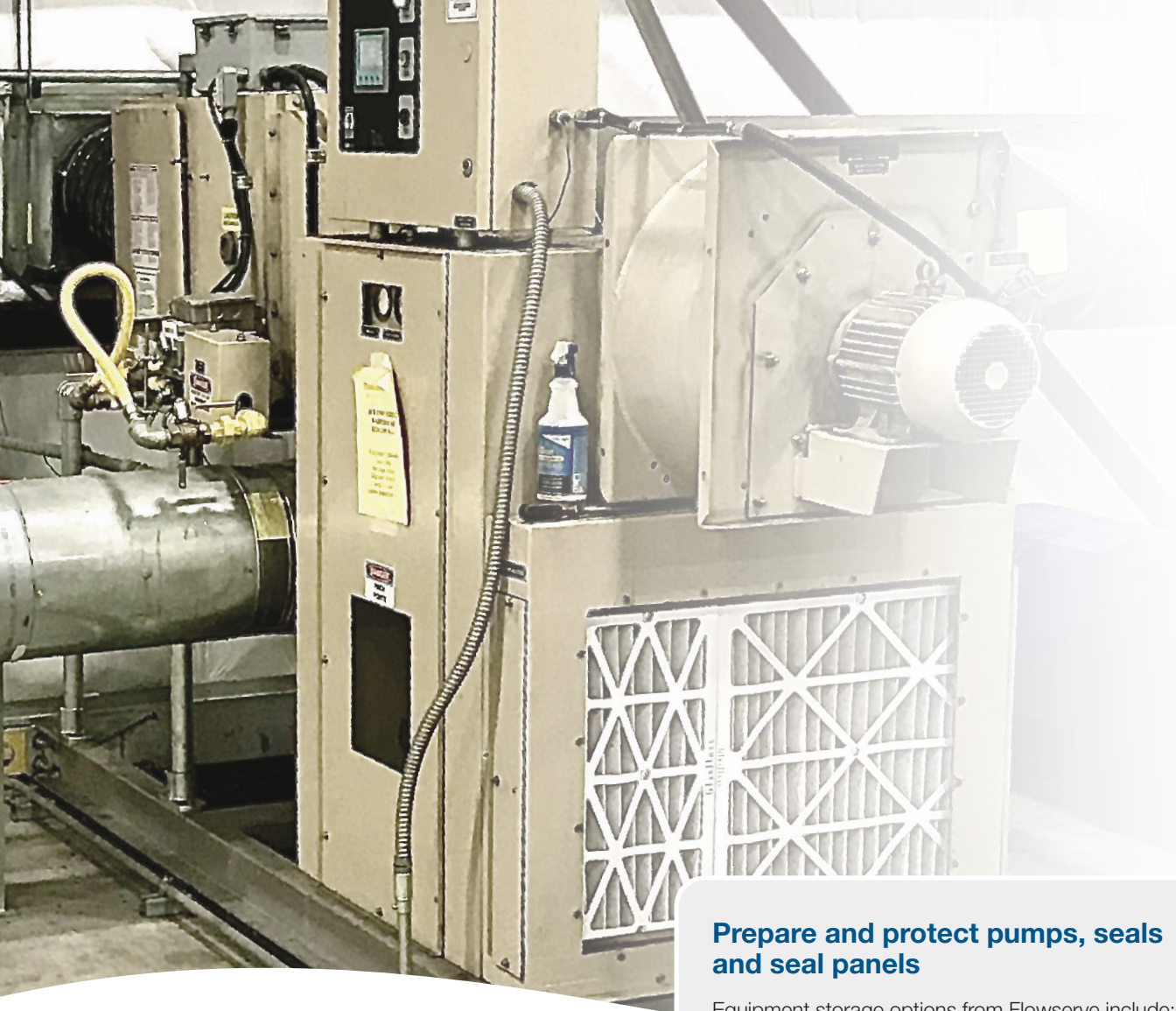




Equipment Storage Services



Experience In Motion



Properly store critical flow control equipment until it's needed

Companies frequently need to store flow control equipment for weeks, months or even years from purchase until installation and commissioning. Whether it's short- or long-term, Flowserve can help operators to properly prepare and maintain their equipment inside environmentally controlled industrial storage warehouses located in North America.

Our expert Field Services technicians can provide uncompromising support wherever and whenever it's needed. As a result, Flowserve can ensure the integrity of your equipment is not jeopardized during storage and it will be ready to go into service when you need it.

When correctly installed, flow control equipment — pumps, seals and seal panels plus components and accessories — is engineered to reliably operate with long lifecycles in some of the harshest conditions indoors and outdoors. Until then, these robust products must be adequately sealed and protected from moisture or other contamination.

Prepare and protect pumps, seals and seal panels

Equipment storage options from Flowserve include:

- Clean and dry industrial warehouses
 - Temperature range: 4°C to 37°C (40°F to 100°F)
 - Low humidity, less than 65% relative humidity (RH)
 - Air filtration to minimize dust, steam, chemicals, oils, radiation and ozone
- Elevated storage surfaces free from impact and vibration
- Highly qualified technicians with experience in inventory management and the handling of critical equipment
- State-of-the-art security
- 24/7 inventory shipping and receiving
- Lay-down yard service for project piping and large vessels

Flowserve will assume responsibility for flow control equipment that we manufacture as well as units from other original equipment manufacturers (OEMs) after customers purchase them until the time they're needed at a project site.

Expert procedures for proper storage

When a customer chooses Flowserve to provide storage, their flow control equipment is shipped from the manufacturing site to a storage location arranged by Flowserve in consultation with the customer. Upon arrival, our technicians assess its condition, recommend steps, and provide an estimated cost to protect and maintain the equipment throughout its time in storage.

We accept everything from bare pumps and gearboxes to complete flow control packages assembled on a skid. Flowserve has established storage procedures for each piece of equipment and component:

- Flowserve receives and inspects pumps, seals and accessories and ensures that all shipping caps and plugs are in place; we uncrate the equipment if necessary to inspect.
- If packaging has been opened or damaged during transit, Flowserve technicians will inspect the equipment and confirm its condition.
- Desiccants can be utilized to absorb moisture, bearing housings are filled with a circulating lubricant, and a corrosion preventative is sprayed on all bare surfaces.
- All openings are gasketed, and threaded connections are plugged to prevent atmospheric contamination, debris or water from entering the equipment.
- Throughout its time in storage, each unit and/or its shaft is rotated to a specified orientation at intervals based on recommendations from Flowserve product engineers or procedures from other OEMs for their equipment.

During storage periods longer than two years, environmental conditions may influence the flatness of rotating and stationary seal faces and cause gasket materials to deteriorate. We recommend on-site professional inspection and static testing of product assemblies prior to commissioning by a Flowserve representative.



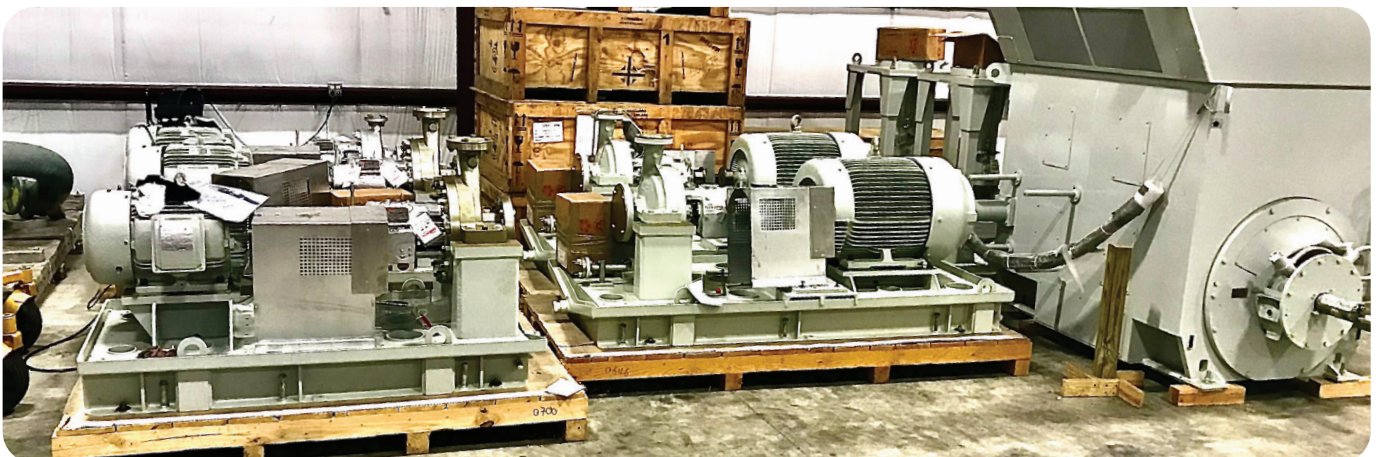
Ensure control equipment availability with Flowserve

Increase the availability and reliability of your flow control systems — regardless of type or OEM — through expert storage services plus on-site installation, maintenance and repairs from Flowserve.

Unique in its world-class collective expertise in pumps, valves and seals, Flowserve helps customers to optimize performance and manage costs throughout the entire equipment lifecycle. From full-service installation and commissioning to field machining and scheduled maintenance, Flowserve is dedicated to providing on-site support for all aspects of your equipment lifecycle, including:

- Installation and commissioning
- Maintenance and repairs
- Ancillary services
- Short- and long-term storage services

The Flowserve worldwide network includes highly skilled specialists such as pump mechanics, project managers, laser technicians, millwrights, machinists and welders. They're available around the clock, seven days a week to troubleshoot complicated issues and deliver reliable solutions.





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