

PUMP REPAIR AND REFURBISHMENT

PUMP SERVICES GROUP



ABOUT PUMP SERVICES GROUP

OUR SOLUTIONS

Pentair Pump Services Group (PSG) provides repair and refurbishment services designed to meet the challenging demands of customers in the municipal, industrial and commercial markets. We have the technical expertise to solve pump repair problems on almost any kind of pumping equipment including submersible, centrifugal, vertical turbine, split case or propeller pumps.

Our full-service support allows us to furnish quality pump repairs in a timely manner and also meet requirements for removal, installation, field supervision and start-up or station rehabilitation. Our test floor has a 100,000-gallon pit, a full range of calibrated test drivers and complete instrumentation, offering our customers a tremendous advantage over most repair facilities.

As a leading pump manufacturer with decades of experience nationally, we have the know-how to customize pumping solutions to handle capacity or system upgrades.

PSG SERVICE CENTER REPAIR CAPABILITIES

- ◆ Rebuild pumps of all sizes from 2" to 144" discharge
- ◆ Complete machining capabilities including restorative metals and metalizing, special coatings
- ◆ Welding and fabrication services
- ◆ In-house engineering design and upgrades capability
- ◆ Hydraulic troubleshooting and pump predictive maintenance
- ◆ Factory and field pump training
- ◆ Factory certified pump installation and commissioning
- ◆ Field laser alignment and seal installation, field vibration troubleshooting and analysis

WE SERVICE ALL MAJOR MARKETS



NORTH AMERICA TESTING CAPABILITIES

Pentair has a state-of-the-art test facility covering the needs and requirements of the pump aftermarket. Located at the Pentair Fairbanks Nijhuis Facility in Kansas City, Kansas, this lab provides testing for customers in North America covering submersible, centrifugal, vertical turbine, split case and propeller pumps.

- ◆ Test lab complies with Hydraulic Institute® and American National Standards Institute testing standards including 14.6 and 40.6
- ◆ Test area contains a 100,000-gallon pit
- ◆ Horsepower capacity of 5,000 HP
- ◆ Flow capacities up to 80,000 GPM
- ◆ Full range of state-of-the-art calibrated test drivers and complete instrumentation for capturing hydraulic performance, vibration, temperature, power and more
- ◆ Multiple 460 V Variable Frequency Drives (VFDs):
 - Benschaw® 5,000 HP 4160 V drive
 - Belyea 2,300 V Drive

In addition to:

- ◆ Multiple 10-ton overhead cranes for large lifts
- ◆ On-site engineering support
- ◆ Decades of testing experience
- ◆ Large inventory of test equipment, venturis, valves and more
- ◆ In-person or virtual witness testing

FIELD SERVICES FOR 24/7 RESPONSE

If you are in need of field services, please contact 913-371-5000.

- ◆ Field service capabilities with experienced staff
- ◆ Pump installation & start-up
- ◆ Turnkey services
- ◆ Project management
- ◆ Training
- ◆ Emergency services
- ◆ Field engineering & troubleshooting



SUPPORT WHERE YOU NEED IT

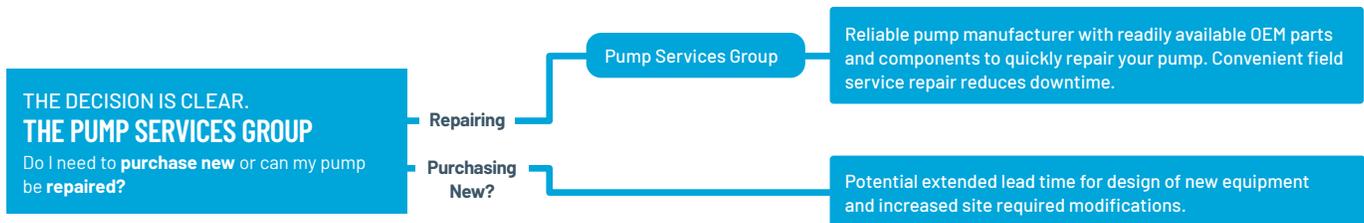
FIELD TESTING INCLUDING

- ◆ Vibration Analyzer
- ◆ Laser Alignment Equipment
- ◆ Calibrated Accelerometers
- ◆ Pressure Transducers
- ◆ Pressure Pulse Recorder
- ◆ Field Performance Test Equipment
- ◆ Sound Level Meters
- ◆ FM Approved® Flow Test Equipment
- ◆ Factory Certified Fire Pump Commissioning
- ◆ CAT I, CAT II, CAT III Vibration Analysts

INSIST ON PENTAIR

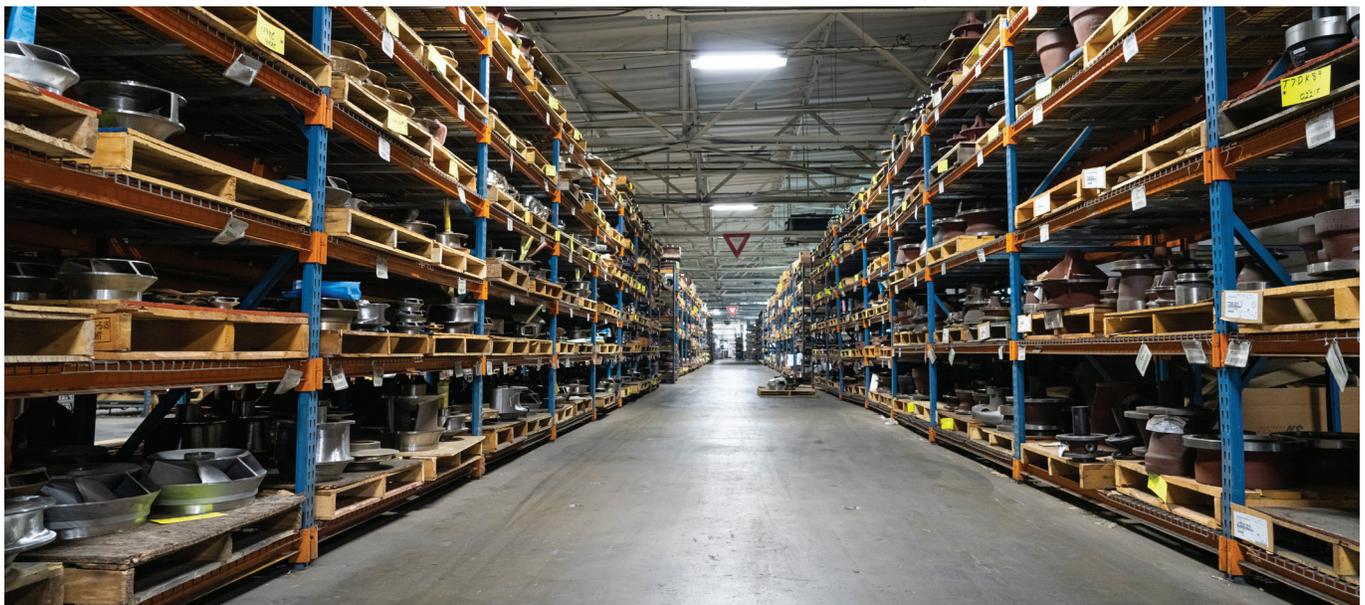
Whether we come to you, or your pump is repaired in our facility, the Pump Services Group delivers the same quality and excellence that has put Pentair at the pinnacle of the pump manufacturing industry. Our technical service personnel are responsive to your specific needs and are available 24/7, year-round. With available Original Equipment Manufacturer (OEM) parts and components, a pump repair can reduce downtime in the field. We will respond to emergency situations via our 24/7 emergency service. Our factory-trained and experienced pump engineers are always available for technical consultation on your repair. OEM quality is our performance standard.

Pentair Field Technicians have extensive pump knowledge enabling them to work on many pump types and models.



PSG can restore the performance and reliability of your existing centrifugal, submersible, vertical turbine, propeller or multi-stage pump, regardless of pump manufacturer. With local pump repair shops you may experience additional downtime from extended timelines for ordering required parts or components. Contact us today for all your repair needs.

THE PUMP SERVICES GROUP HAS 35+ YEARS OF REPAIRS EXPERIENCE ◆ OPERATING SINCE 1985



OUR COMMITMENT TO YOU

Our dedication goes far beyond the sale of a product. We offer comprehensive pump repair service, augment our distributor's capabilities and professionally rehabilitate pumps, including those built by other manufacturers.

At Pentair, we understand pumps from the inside out and have been building quality pumping equipment for the municipal, industrial and commercial markets for many decades. This experience makes us the foremost experts in pump repair and service.

BEFORE



AFTER



BEFORE



AFTER



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FM-02-1510 (10-31-23)