



Specialist for Pumping Technology



NUCLEAR SERVICE CENTER HAMPTON, VA

Your service partner for nuclear pumps

In response to customers' growing needs for new and better solutions for their nuclear pump needs, Ruhrpumpen with a fully equipped Nuclear Service Center in Hampton, Virginia, USA.

This state-of-the-art service center supports nuclear utilities by providing new pumping equipment, and a full range of aftermarket services, such as: spare parts, repairs, and upgrades for safety-related and pressure boundary equipment found in nuclear plants. This Nuclear Service Center expands RP's continuously growing Global Service Network.

The facility is fully equipped with machine tools, as well as welding, balancing, assembly, and inspection capabilities. Moreover, RP's Nuclear Service Center is staffed with an experienced team of nuclear pump professionals. The team draws upon the deep resources of our nuclear supply chain, and Ruhrpumpen resources throughout the world.



Ruhrpumpen is your single source supplier

- Original Equipment
- Spare parts
- Installation and startup support
- Repair and maintenance
- Engineering, training and consulting
- Reverse engineering

A stylized map of the Hampton, VA area. It shows a grid of streets with '56th St' and '55th St' labeled. A blue location pin is placed at the intersection of 56th St and a street labeled 'Rotary St'. Another blue location pin is placed further south on the same street, labeled 'Ruhrpumpen Nuclear Service'. A yellow double-line road and a green area are also shown on the map.

Contact information

400 Rotary Street
Hampton, VA, USA
23661

nuclear@ruhrpumpen.com



Engineering Services

Our experienced staff is available to support all of your pumping needs. Services include:

- Vibration Analysis
- Material Recommendations
- Pump Selection
- Upgrade Support
- Failure Analysis
- Performance Testing
- Liquid Penetrant Examination
- Magnetic Particle Examination
- Radiography and X-rays

Within the quality process, Ruhrpumpen utilizes proven procedures to guarantee the integrity of every part, including all necessary requirements of Non-Destructive Examination.

Service and Repairs

Through our Global Service Network, Ruhrpumpen has the capability to service and repair all varieties of vertical and horizontal pumps and related equipment.

Services include:

- Spare parts
- Complete overhaul including welding and machining
- Competitor pump upgrades and refurbishments
- Rebowl of existing pumps (both Ruhrpumpen and competitors)
- Hydraulic upgrades
- Polymeric coating solutions to improve efficiency and reduce operating costs
- Contaminated pump repair and upgrade

Applications inside a nuclear plant that require pumps:

- | | | |
|-------------------------------------|-------------------------|----------------------|
| ■ Condensate and Condensate Booster | ■ Intake Water | ■ Cooling Water |
| ■ Reactor Feed | ■ Service Water | ■ Screen Wash |
| ■ Auxiliary / Emergency Feed | ■ Residual Heat Removal | ■ Heater Drain |
| ■ Circulating Water | ■ Safety Injection | ■ Auxiliary Services |
| | ■ Core Spray | ■ Fire Protection |

Field Service

Our experienced staff is available to support all of your Ruhrpumpen's Field Service Engineers will mobilize immediately to ensure maximum continuity of your operations. Available for worldwide assignments, our specialists can dispatch within 24 hours. Contact your local Service Center or Sales Representative for more information. Offerings Include:



Reliability Engineering

Support troubleshooting vibration, hydraulic, and other performance issues at your site. Advise in corrective and preventive maintenance, and coordinate with Ruhrpumpen factory, service center, and engineering resources to advise in achieving the best possible performance of your pumping equipment.



Field Technicians

Push / pull services for your equipment. Our craftsmen can support rigging, assembly, field machining, alignment, and startup.



Project Management

Turnkey project support to plan your installation and upgrade projects, including, but not limited to scheduling, tooling, craft labor, engineering, quality assurance, and logistics.



Reverse Engineering

Focused in customer needs, Ruhrpumpen has the capability to perform reverse engineering. This expanded offering provides customers with an alternative source of spare parts when high costs or obsolescence become a problem.

Ruhrpumpen REAP Division (Reverse Engineering Aftermarket Parts) is a unique and highly trained group that utilizes Faro Arms (Edge model) and always the latest Solid Modeling softwares. The division consists of engineering and modeling experts who have high levels of expertise in the Reverse Engineering field.

Thanks to our combined experience in the pump industry and in the reverse engineering field, we are able to manage and offer:

- Casting projects ensuring quality with pattern inspections.
- First article casting inspections, and finish machining checks.
- On-site reverse engineering services during maintenance outages, so the part never leaves the plant.

Nuclear Quality Assurance

Ruhrpumpen's Nuclear Quality Assurance Manual supports work on equipment of the highest pedigree – Safety-Related and Pressure Boundary components. Our audited program meets the requirements of 10 CFR 50 Appendix B, ASME BPV Code, and NBIC.



N Stamp Certificate Number N-4433

Construction of Class 2 & 3 pumps and piping systems.



NPT Stamp Certificate Number N-4429

Fabrication, with or without design responsibility, for nuclear appurtenances and supports.



NR Stamp Certificate Number 111

Repair/Replacement activities for nuclear items performed in accordance with National Board Inspection Code (NBIC) and American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME BPV Code).

Fire Protection Systems

A nuclear facility's fire protection arrangement is not complete without a Ruhrpumpen Fire System. Our experience in the design and construction of fire systems for industrial premises is your ally in the protection of your nuclear facility.

Per NFPA-20, our fire pumps operate in ranges from 25 GPM up to 5000 GPM with net pressures of 40 PSI or more. We are able to supply single pumping units or complete pre-packaged fire systems (with or without enclosure), always tailored and built to the requirements of the customer, ensuring that they meet safety regulations. Our fire pumps are UL listed, FM approved and engineered according to NFPA standards.

Moreover, our Global Service Network can support you with inspection, testing and maintenance to guarantee the reliability of your fire protection systems in case of an emergency.



NFPA-20 compliant fire pump house



Individual split case pump baseplate with on-skid control panel

+65 years creating the pumping technology that moves our world

Ruhrpumpen is an innovative and efficient pump technology company that offers highly-engineered and standard pumping solutions for the oil & gas, power generation, industrial, water and chemical markets. We offer a broad range of centrifugal and reciprocating pumps that meet and exceed the requirements of the most demanding quality specifications and industry standards such as API, ANSI, UL, FM, ISO and Hydraulic Institute.

