



Flowserve Flow Control Division

Isolation Valve Services



Experience In Motion



Flowserve FCD on-site services are enhanced by the immediate availability of specialized tools, including welding and boring equipment, for handling the most demanding jobs.

Outstanding service and support, when and where it counts.

Delivering the highest levels of on-site field service and in-house support is why Flowserve Flow Control Division (FCD) enjoys the global reputation for complete customer satisfaction. From scheduled preventive maintenance to critical after-hours needs, the entire FCD team is focused on providing value, reliability and profitability to every customer.

The Right Tools for the Job

Flowserve FCD has designed a comprehensive service and support system that meets customer needs on site where it's needed most.

- Mobile machine shop trailer for on-site repairs
- Expertly trained field service personnel capable of handling any size job
- After-hours plant service teams for around-the-clock coverage
- Special equipment for seat refinishing, body boring, welding and stress relieving
- In-house valve repair and remanufacturing to the original specifications, complete with new one-year warranty
- A 190,000-square-foot manufacturing facility with state-of-the-art machining and engineering capability
- Engineering support for expert analysis and recommendations
- Specializing in turnkey jobs with one-stop servicing to quickly help customers go back online
- ISO 9000, ASME NQA-1 and 10CFR50 quality certifications
- Nuclear industry certification with ASME N-stamp for valves, NPT stamp for parts and NR stamp for repairs
- Complete main steam isolation valve (MSIV) and main feedwater isolation valve (MFIV) service and repair
- Emergency spare parts for fast turnaround

The Flowserve mobile field service machine shop provides the full range of equipment and services required to address most maintenance and repair needs.



The Mobile Field Service Machine Shop

Fully equipped to make most repairs on site, the 53-foot Flowserve trailer contains an impressive list of tools and equipment to tackle the toughest jobs.

- Overhead crane system
- 16" engine lathe
- 20" engine lathe
- Cincinnati mill
- Radial drill
- Bridgeport mill
- Bench grinder
- Air compressor
- Surface grinder
- Oxyacetylene cutting and welding equipment
- 250-amp MIG, TIG, SMAW welders
- Complete inventory of tooling
- Complete safety equipment and gear



Training seminars, either on site or at the Flowserve Raleigh facility, provide an excellent opportunity for organizations to gain in-depth knowledge of key maintenance and operations strategies directly from experienced FCD personnel.

Customer Training Programs

No two service situations are the same, which is why training programs from Flowserve Educational Services are designed around the people, equipment and processes in your very own plant. Custom training is all about individualized instruction on the concepts, processes and equipment needed to maximize your employees' performance in your business. Valve maintenance training seminars, conducted by experienced service engineers, are available either on site or at our plant in Raleigh, North Carolina. Students are taken step by step through the machining, assembly and test processes utilizing Flowserve field service equipment. On-site training is also available, supported by our mobile machine shop, detailed cutaway valve models and extensive field experience. Whether you need an entire specialized curriculum or customization of an existing program, Flowserve Educational Services trainers and instructional designers are available to assist you and your entire staff.

Maintenance and Service: Staying Online with FCD Valves and Actuators

Flowserve designs and manufactures all valves and actuators to provide up to a 60-year service life. To achieve that means doing more than engineering and building a superior, reliable product. It means designing a product that is easy to maintain and service, combined with a team of experienced, dedicated professionals with the knowledge and experience to keep Flowserve Edward & Anchor/Darling valves and Limatorque actuators operating at peak performance.

Experienced Flowserve FCD personnel are available to supervise maintenance and other operations to help free-up staff during times of high-demand workload.



Experienced Technicians

Flowserve FCD brings unmatched experience to the field, including training on Limatorque and Edward gas/hydraulic actuator service and repair, which makes FCD teams fully qualified for service on the entire valve. FCD service technicians have an average of 20 years' experience in the industry and more than 15 years with Flowserve, each with special skills such as welding and machining that can be targeted to the needs of the individual job. When required, these experienced technicians have direct access to the wealth of valve and actuator design engineering experience of the OEM. The Flowserve engineering group can assist with in-depth valve and actuator design data and answers.

Comprehensive Record Keeping

FCD files include original specifications for every Flowserve Edward and Anchor/Darling valve sold since 1908. All valves are coded for easy identification so that for new or replacement orders, Flowserve stands ready to provide the complete lot traceability required for compliance requirements in nuclear and other critical services.

In-line Service

FCD service teams are dedicated to on-site service whenever possible. To this end, they not only provide highly experienced, expert personnel, but they also support these technicians with field



With years of experience and specialized skills, Flowserve FCD technicians can address a wide range of service and maintenance requests.

equipment including boring, lapping, welding and weld-cutting machines. If needed, major parts such as disks or bonnets can be shipped back via air transport to the factory for service and repair while service personnel perform other tasks. In addition, after-hours coverage teams are on call around the clock, seven days a week, to deliver on our commitment to provide immediate response to customer requirements.

Parts Replacement

A comprehensive record-keeping system facilitates replacement of FCD parts. Computer databases can quickly determine if parts are in stock or on order and how to best coordinate raw materials and factory resources for the quickest possible turnaround time.

The Renewable One-Year Warranty

On all valves repaired by FCD personnel, Flowserve will issue a new one-year warranty identical to the warranty issued for new valves.

Factory Repairs and Upgrades

Whether your requirements are for a planned outage, preventive maintenance or an emergency demand, FCD will remanufacture or upgrade valves to the original or most current specification where allowed by code. In-house engineering and quality assurance support is committed to meet the required turnaround times.

Contracted Outages

When manpower requirements exceed your staff's capabilities during critical operations such as outages and plant start-up, Flowserve FCD staff is available to support every move. FCD teams can supplement your specific valve and actuator requirements by allowing your staff to focus on core competencies such as plant operation. Flowserve maintenance teams come with decades of experience in helping customers in businesses just like yours.

Flowserve on-site support is your assurance of minimal interruption of operations and maximized productivity.



Rapid Response Deployment

Flowserve FCD service and support are as close as a phone call away. Teams can be deployed 24/7/365 at a moment's notice to cover emergency needs with the manpower or special equipment required to minimize downtime and get your plant back in operation. Flowserve has saved customers millions of dollars in lost revenue, thanks to quick, qualified reaction.

Supervision

In lean environments, it is often impractical to keep your staff fully competent on all of the various nuances of valve and actuator maintenance and repair. The Flowserve FCD valve repair staff has the experience and competency to supervise maintenance crews during critical valve service and repair. Maximize your manpower resources and minimize costs by letting the Flowserve valve service team supervise your maintenance crews.

For more information on Flowserve FCD on-site maintenance and repair services or to inquire about scheduling, call toll-free, 24 hours a day, any day.

Day – 1-800-225-6989

Night – 1-800-543-3927

Ask for Emergency Services



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To find your local Flowserve representative:

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