

## No matter who makes it, we can service it.

- *All brands, all types*
  - *One full service provider*
  - *One purchase order*
- *The ONLY factory authorized Fisher® control valves service centers*
- *Nationwide repair capabilities*



*Get total valve asset management through Emerson's Instrument & Valve Services.*

Chances are your plant isn't comprised entirely of valves made by the same manufacturer. When your valve assets need repair, you could save a lot of time and expense by dealing with one full service provider.

So why not choose a control valve expert who has both the service breadth and technical depth to reliably repair every valve in your plant, regardless of brand?

That's Emerson's Instrument & Valve Services.

When you send your control valve to Emerson's Instrument & Valve Services, we will fully repair it on time and within budget. And you can be sure that our factory trained technicians have done the job right the first time.



- Analyzing for correct part material identification and condition
- Measuring and documenting critical dimensions with our coordinate measurement machine (CMM)
- Producing the part with controlled manufacturing and refurbishing standards to insure traceability and tolerance repeatability

**Instant Repair (via the Encore® program)**

Does the concept of having your valve repaired prior to taking it out of the line appeal to you? Would a fixed budget for the job up front and a firm timeline with no surprises be of value? If so, Instant Repair is the way to go, saving you time, effort, and money.

Let your local sales office specify a ready to install remanufactured valve as a replacement for what you have inline today. We will have your replacement valve on site prior to your scheduled



workday, ready to swap out before you break into the line. Simply return the old valve to us at your convenience.

Instant Repair is a convenient and cost effective solution for many difficult repair needs. You can rest assured that your Encore remanufactured control valve will deliver the performance and reliability you have come to expect from Emerson Process Management. Only Encore can offer a true OEM quality remanufactured product. Our broad selection of over 12,000 Encore valves is maintained on CoreTracker, a real-time database which provides Quick Ship capabilities to our "on call" teams that are available 24 hours a day, 7 days a week, 365 days a year for your emergency needs.

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**Valve Repair Procedures**

Our technical experience and proprietary equipment enable us to perform a complete repair with Fisher® quality practices including:

- Inspection and documentation of receipt condition
- Repair, calibration and final testing to industry specifications and standards
- Complete refurbishment to customer's specification, including paint specifications, flange protection, and certification
- Final comprehensive repair report which includes valve diagnostics, provided in electronic or printed format
- One year guarantee of workmanship as applicable through Emerson's Instrument

& Valve Services warranty program

**Parts Capabilities**

Emerson's Instrument & Valve Services is more than a repair shop—we're the solution provider for all your control valves.

We use parts that are equal to the same standards as Fisher OEM parts. The process of reverse engineering replacement parts includes:



**Valve Diagnostic Tools**

As an Emerson Service Center, we use a full set of diagnostic tools, including FlowScanner, AMS™ Suite: Intelligent Device Manager, and AMS ValveLink® applications.

These tools enable the storage of your valve's repair history within an asset management database, helping you eliminate unplanned maintenance. Using our diagnostic toolset, we can offer preventive and predictive solutions to all your plant-critical valve applications. As a routine part of this service offering we apply the proven engineering and product expertise of Emerson Process Management.

**On-Site Repairs**

With our On-Site Repair program, our technicians will diagnose and analyze your valve inline, and then propose the repair to resolve the problem. Our inline repair capabilities include welding, heat treatment and machining. We will do the repair and have your valve functioning properly on time.

**Industry Leading Standards**

Emerson's Instrument & Valve service centers operate under a national quality management system that assures consistent process control from order entry through final product inspection and shipment.

Factory trained technicians use procedures developed to industry standards, NIST traceable

measuring and test equipment, and qualified material suppliers. Fisher engineering support assures that the highest quality standards will go into the repair of every control valve.

**Coast-to-Coast Service**

Only Instrument & Valve Services offers repair capabilities nationwide.

With over 40 locations across North America and our factory trained technicians, we can provide you quality, timely, cost effective valve repair any time, any place. Together with your Emerson Process Management sales representative we can provide you a truly flexible, always reliable maintenance solution.

So, the next time a control valve needs repairs, contact Emerson's Instrument & Valve Services. We'll do the job right the first time. And we'll make sure your valve is serviced correctly—regardless of the original manufacturer.



## Control Valve Repairs – Industry Standards

The latest edition of the following references are used to establish the basic requirements for the specific type of valve being repaired:

- ASME Section II, Materials
- API Standard 598, Valve Inspection and Test
- API Standard 607, Fire Test of Soft Seated Quarter Turn Valves
- API Standard 609, Lug and Wafer Type Butterfly Valves
- ANSI/ASME B16.1, Cast Iron Pipe Flanges and Pipe Fittings
- ANSI/ASME B16.4, Cast Iron Threaded Fittings
- ANSI/ASME B16.5, Pipe Flanges and Flanged Fittings
- ASME B16.10, Face-to-Face and End-to-End Dimensions of Ferrous Valves
- ASME B16.11, Forged Steel Fittings, Socket Welding and Threaded
- ASME B16.25, Buttwelding Ends
- ASME B16.34, Steel Valves, Flanged and Buttweld Ends
- ANSI/ASME B16.42, Ductile Iron Pipe Flanges and Flanged Fittings, Class 150 and 300
- ISA S75.03, Face-to-Face Dimensions for Flanged Globe-Style Control Valve Bodies (ANSI Classes 125, 150, 250, 300 & 600)
- ISA S75.04, Face-to-Face Dimensions for Flangeless Control Valves (ANSI Classes 150, 300 & 600)
- ISA S75.12, Face-to-Face Dimensions for Socket Weld-End and Screwed-End Globe-Style Control Valves (ANSI Classes 150, 300, 600, 900, 1500 & 2500)
- ISA S75.16, Face-to-Face Dimensions for Flanged Globe-Style Control Valve Bodies (ANSI Classes 900, 1500 & 2500)
- ISA S75.19, Hydrostatic Testing of Control Valves
- ISA S75.20, Face-to-Face Dimensions for Separable Flange Globe-Style Control Valves (ANSI Classes 150, 300 & 600)
- ISA S75.22, Face-to-Face Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies (ANSI Classes 150, 300 & 600)
- ISO 5752, Metal Valves for Use in Flanged Pipe Systems, Face-to-Face and Center-to-Face Dimensions
- ISA S75.15, Face-to-Face Dimensions for Buttweld-End Globe-Style Control Valves (ANSI Classes 150, 300, 600, 900, 1500 & 2500)
- MSS SP-25, Standard Marking System for Valves, Fittings, Flanges and Unions
- MSS SP-67, Butterfly Valves
- MSS SP-68, High Pressure-Offset Seat Butterfly Valves
- ASME Section II, Materials
- ASME Section V, Nondestructive Examination
- ASME Section VIII (Div 1), ASME Boiler and Pressure Vessel Code
- ASME Section IX, Qualification Standard for Welding Procedures
- ANSI/FCI 70-2, Control Valve\Seat Leakage
- Fisher Quality Specification, QS50-0001, Pressure and Structural Steel Castings
- OSHA 1910.119, Process Safety Management

*For more information or to schedule service, please call your local Emerson Process Management sales representative or the North American Response Center at **1-800-654-7768**.*

### Emerson Process Management

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