Fisher™ Sliding-Stem Valve Selection Guide



Typical Fisher Sliding-Stem Control Valves

- A broad range of Fisher valves, sizes, and materials are offered—from NPS 1/2 for general service to NPS 36 and larger for demanding high-pressure steam, hydrocarbon, and noise services.
- FIELDVUE™ digital valve controllers offer digital control and remote diagnostics. The traditional proven line of Fisher transducers, positioners, controllers, transmitters, and switches are also available.
- Whisper Trim[™] and Cavitrol[™] anti-noise and anti-cavitation trims are available for most designs.

- ENVIRO-SEALTM packing systems provide an improved stem seal to help prevent the loss of process and are available to assist in compliance with environmental emissions requirements.
- Fisher products deliver excellent dynamic performance to minimize process variability, providing opportunities to improve your plant's financial performance.
- Contact your <u>Emerson sales office</u> or Local Business Partner for details.

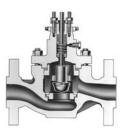


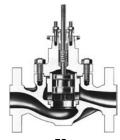


Fisher General-Service and Heavy-Duty Valves

Figure 1. General-Service and Heavy-Duty Valves



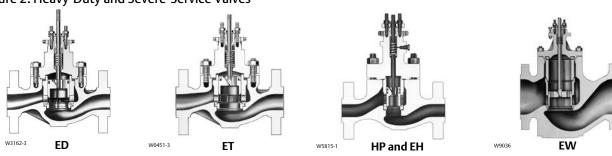




| GX | EZ | ES |
|--|---|--|
| Applications | • | |
| Compact, state-of-the-art control valve and actuator system designed to control a wide range of process liquids, gases, and vapors. Capable of air supply pressures to 6.0 barg (87 psig), allowing valve shutoff at high pressure drops | Heavy-duty general service for controlling liquids and gases, including viscous and other hard-to-handle fluids. UOP applications | Heavy-duty, general-service valve for clean liquids and gases. Positive shutoff at seat |
| Style | | |
| Single port, flow up globe style valve Stem-guided or port-guided Balanced or unbalanced Screwed-in seat ring | Single-seated, post-guided globe or angle valve Unbalanced Seat ring retained by spacer Metal or soft seats | Cage-guided globe or angle valve Unbalanced Cage-retained seat |
| Sizes | | |
| DN15 through 100 NPS 1/2 through 6 | DN15 through 100 NPS 1/2 through 4 | ES: DN15 through 200 (NPS 1/2 through 8) EWS: DN100 x 50 through 600 x 500 (NPS 4 x 2 through 24 x 20) |
| Ratings | | |
| PN 10, 16, 25, 40, CL150, 300 | PN 16, 25, 40, 63, 100, CL125, 150, 300, 600 | PN 10, 16, 25, 40, 63, 100, CL150, 300, 600 |
| End Connections | | |
| Raised-face flanged | Screwed NPT internal, flat- or raised-face flanged, ring-type joint, socketweld, buttwelded ends | Screwed NPT internal, flat- or raised-face flanged, ring-type joint, socketweld, and buttwelded ends |
| Valve Body Materials | 1 | |
| Steel, alloy steel, stainless steel | Steel, alloy steel, stainless steel | Steel, alloy steel, stainless steel |
| Valve Plug and Seat Ring (Trim) Materials | | |
| Stainless steel with optional CoCr-A hardfacing or PTFE soft seat | Stainless steel with or without CoCr-A on seat or seat and guide PTFE soft seat | Stainless steel with or without CoCr-A on seat or seat and guide PTFE soft seat |
| Flow Characteristics and Maximum Flow Coeffic | ients | |
| Equal percentage or linear Maximum C _v from 0.0389 to 183.5 | Quick opening, linear, or equal percentage Maximum C _v from 4.47 to 190 | Quick opening, linear, or equal percentage Maximum C _v from 6.53 to 1110 |
| Shutoff Class (IEC 60534-4 and ANSI/FCI 70-2) | | |
| Class IV (standard) Class V, VI (optional) | Class IV (standard) Class V, VI (optional) | Class IV (standard) Class V, VI (optional) |
| Available Actuators (see section on Sliding-Stem | Valve Actuators) | |
| GX multi-spring and diaphragm | 657 or 667 spring and diaphragm, 585C piston | 657 or 667 spring and diaphragm, 585C piston |

Fisher Heavy-Duty and Severe-Service Valves

Figure 2. Heavy-Duty and Severe-Service Valves



| ED | ET | HP and EH | EW |
|--|--|--|--|
| Applications | | | |
| easy-e heavy-duty, general and severe- service valve for clean liquids and gases with higher pressure drops but where tight shutoff is not required | easy-e heavy-duty, general and severe- service valve for tight shutoff with clean liquids and gases with higher pressure drops and temperatures | For high-pressure and severe-service applications. Available with special trim to combat noise and cavitation. Often used in power generation applications | easy-e heavy-duty, general- and severe- service valve features large internal cavities with expanded end connections for wide range of applications |
| Style | | | |
| Cage-guided globe or angle valve Balanced trim Cage-retained seat | Cage-guided globe or angle valve Balanced trim Cage-retained seat | Cage-guided globe or angle valve Balanced or unbalanced trim | Single-port cage-guided globe valve Balanced or unbalanced trim Cage-retained seat |
| Sizes | | | |
| ED: DN25 through 200 and NPS 1 through 30 EWD: DN100 x 50 through 600 x 500 and NPS 4 x 2 through 24 x 20 | ET: DN25 through 200 and NPS 1 through 30 EWT: DN100 x 50 through 600 x 500 and NPS 4 x 2 through 24 x 20 | DN25 through 500 NPS 1 through 20 | DN 100x50 through 300x200 NPS 4x2 through 24x20 |
| Ratings | | | |
| PN 10, 16, 25, 40, 63, 100, CL150, 300, 600 | PN 10, 16, 25, 40, 63, 100, CL150, 300, 600 | PN 160, 250, 420, CL900, 1500, 2500, 3200, or intermediate ASME ratings | PN 10, 16, 25, 40, 63, 100, or 160 CL150, 300, 600, or 900 |
| End Connections | | | |
| Screwed NPT internal, flat- or raised-face flanged, ring-type joint, socketweld, buttwelded ends | Screwed NPT internal, flat- or raised-face flanged, ring-type joint, socketweld, buttwelded ends | Raised-face flanged, ring-type joint, socketweld, buttwelded ends, expanded ends | Flanged raised-face, ring-type joint, and buttweld ends |
| Valve Body Materials | | | |
| Steel, alloy steel, stainless steel | Steel, alloy steel, stainless steel | Steel, alloy steel, stainless steel | Steel, alloy steel, stainless steel |
| Valve Plug and Seat Ring (Trim) Mat | erials | | |
| Stainless steel with or without CoCr-A on seat or seat and guide | Stainless steel with or without CoCr-A on seat or seat and guide. PTFE soft seat | Stainless steel with or without CoCr-A on seat or seat and guide | Stainless steel with or without CoCr-A on plug and stainless steel or alloy 6 seat |
| Flow Characteristics and Maximum | Flow Coefficients | | |
| Quick opening, linear, or equal percentage Maximum C _v from 17.2 to 6500 | Quick opening, linear, or equal percentage Maximum C _v from 17.2 to 6500 | Linear, equal percentage, or characterized Maximum C _v from 0.354 to 2600 | Quick opening, linear, or equal percentage Maximum Cv from 82 to 1260 |
| Shutoff Class (IEC 60534-4 and ANSI) | FCI 70-2) | | |
| Class II (standard) Class III, IV (optional) | Class IV (standard) Class V, VI (optional) | Class II, III, IV, V | Class II, III, IV, V, or VI (depending on construction and seating) |
| Available Actuators (see section on S | Sliding-Stem Valve Actuators) | | |
| 657 or 667 spring and diaphragm, 585C piston | 657 or 667 spring and diaphragm, 585C piston | 657 or 667 spring and diaphragm, 585C piston | 657 or 667 spring and diaphragm, 585C piston |

X1142

Style

Fisher Heavy-Duty and Severe-Service Valves

Figure 3. Heavy-Duty and Severe-Service Valves







NotchFlo DST CAV4 Applications Typically used in the chemical or hydrocarbon industries where control of residual oils or other Control of liquid services with high pressure drops iquid applications, such as boiler feedwater liquids with coking properties is necessary. Features and entrained particulate, dirty service recirculation, where pressure drops are above 207 a venturi-type throat, which is useful in power anti-cavitation trim bar (3000 psi) plants or slurry services where high pressure drops and flashing might exist Angle, globe, or offset globe seal ring construction, Cage-guided globe, angle valve balanced, stem-balanced construction, piston ring Cylinder guided unbalanced construction

Sizes NPS 1 through 8 NPS 2 through 6 NPS 2x3, 3x4, 4x6, 6x8 Ratings CL300, 600, 900, 1500, 2500 CL2500 CL150, 300, 600, 1500, 2500 **End Connections** Screwed, raised-face flanged, ring-type joint Buttwelded ends, raised-face, ring-type joint Buttwelded ends, raised-face flanged, ring-type flanged, buttwelded ends, socketweld ends flanged ends joint flanged ends Valve Body Materials Steel, alloy steel, stainless steel Steel, alloy steel, stainless steel Steel, alloy steel, stainless steel Valve Plug and Seat Ring (Trim) Materials Stainless steel with or without CoCr-A on seat or Stainless steel or nickel alloy with CoCr-A on seat or Stainless steel with or without CoCr-A on seat or guide guide or tungsten carbide trim Flow Characteristics Equal percentage micro-form, modified parabolic Linear flow characteristic Shutoff Class (IEC 60534-4 and ANSI/FCI 70-2)

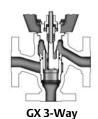
Tight Shutoff Trim (TSO): Valves with TSO trim are factory tested to a more stringent Emerson Automation Solutions test requirement of no Class V: 0.0005mL/min/psid/in of water at service Class IV (standard) leakage at time of shipment using ANSI/FCI 70-2 pressure drop Class V (optional) and IEC 60534-4 Class V procedures. Piston Ring Construction: Class IV All Others: Class VI Available Actuators (see section on Sliding-Stem Valve Actuators) 657 or 667 spring and diaphragm, 657 or 667 spring and diaphragm, 657 or 667 spring and diaphragm, 585C piston 585C piston 585C piston

Fisher Three-Way Valves, Cryogenic, and Lined Valve

Figure 4. Three-Way, Cryogenic, and Lined Valves

W9579









W4521-2

| YD and YS | GX 3-Way | ET-C and EZ-C | RSS |
|--|--|---|---|
| Applications | | | |
| Three-way valves for flow-mixing or flow-splitting service. The YS unbalanced and the YD is balanced | Three-way valves for flow-mixing or flow-splitting service | easy-e stainless steel cryogenic valves for liquefied natural gas and other special chemical and hydrocarbon applications with temperatures to -198°C (-325°F) | Lined valve for severely corrosive or toxic process fluids. An economic alternative to alloy bodies. Limited in pressure and temperature |
| Style | | | |
| Cage-guided three-way globe valves Balanced or unbalanced trim | Cage-guided or port-guided Balanced or unbalanced trim Screwed-in seat ring | Single-seated post-guided (EZ-C) or cage-guided (ET-C) globe valve Unbalanced (EZ-C) or balanced (ET-C) metal seats | Fully lined, single-seated, unbalanced globe valve Integral bellows stem seal |
| Sizes | | | |
| NPS 1/2 through 8 | DN 25 through DN100 NPS 1 through 4 | ET-C: DN80 through 250 x 200, and NPS 3 through 30 EZ-C: DN15 through 100, NPS 1 through 4 | NPS 1 through 4 (face-to-face dimensions to DIN or ANSI/ISA specifications) |
| Ratings | | | |
| CL125, 150, 250, 300, 600 | PN 10, 16, 25, 40 CL150 and 300 | PN 10, 16, 25, 40, 63, 100 CL150, 300, 600 | CL150 or 300 |
| End Connections | | | |
| Screwed NPT internal, flat- or raised-face flanged, ring-type joint, socketweld, buttwelded ends | Flanged raised-face per EN 1092-1 and ASME B16.5, screwed (NPS 1 through 2), socket weld (NPS 1 through 2) | Raised-face flanged | Raised-face flanged |
| Valve Body Materials | | | |
| Cast iron, steel, alloy steel, stainless steel | Steel, stainless steel | Stainless steel | Ductile iron with PFA liner |
| Valve Plug and Seat Ring (Trim) Ma | terials | | |
| Stainless steel | Stainless steel plug with CoCr-A hard facing on seat | Stainless steel with or without CoCr-A hardfacing on seat | Valve Plug and Seat Ring: Pure modified (reinforced) PTFE Bellows: Heavy-duty PTFE (TFM1705) with 304L SST support rings [Bellows is PTFE for NPS 1/2 and 3/4 valves] |
| Flow Characteristics and Maximum | Flow Coefficients | | |
| Linear Maximum C _v 8.42 to 567 | Linear Maximum Cv from 15.6 to 216.4 | Quick opening, linear, or equal percentage Maximum C _v from 13.2 to 924 | Equal percentage Maximum C _v from 0.212 to 145 |
| Shutoff Class (IEC 60534-4 and ANS | I/FCI 70-2) | | |
| YD: Class II or IV YS: Class IV or V | Class IV (metal seat standard) | Class IV (standard) ET-C: Class V Air/Nitrogen (optional) EZ-C: Class VI (optional) | Class VI |
| Available Actuators (see section on | Sliding-Stem Valve Actuators) | | |
| 657 or 667 spring and diaphragm, 585C piston | GX multi-spring, pneumatic diaphragm | 657 or 667 spring and diaphragm, 585C piston | 657 or 667 spring and diaphragm, 585C piston |

Baumann[™] General-Service Valves

Figure 5. 24000 Series











24000 Little Scotty

24000C Carbon Steel

24000CVF/SVF Flanged

24000S Stainless Steel 240003 Little Scotty 3-Way

| 24000 Little Scotty | 24000C Carbon Steel | 24000CVF/SVF Flanged | 24000S Stainless Steel | 24003 Little Scotty 3-Way |
|--|---|---|--|--|
| Applications | | | | |
| General utility service controlling pressure, flow, and temperature. Great for steam applications along with water, air, and glycol | General utility service controlling pressure, flow, and temperature. Industrial heating and ventilation (HVAC). Humidity control in hot and chilled water, steam, glycol, and heating/cooling coils | Aerospace, Chemical, General Service, Industrial Gases, Industrial HVAC, Life Sciences, Pulp & Paper, Utilities, Waste Water Management | Light duty chemicals, solvents, dye additions, general purpose, high purity water, pH control, N2 blanketing, paint mixing, O2 injection, steam tracing, cryogenics | Ideal for control where mixing or diverting service is required. Heat exchanger bypass, cleanroom HVAC, paper machine head box pressure, glycol systems, blending systems |
| Style | | | | |
| Globe style body | Globe style body | Globe style body | Globe style body | Globe style body, 3-way featuring bottom port |
| Sizes | • | • | | |
| NPS 1/2 through 2 | NPS 1/2 through 2 | NPS 1/2 through 2 | NPT (NPS 1/2 through 2) wafer style (NPS 3 only) | NPS 1/2 through 2 |
| Ratings | | | | |
| CL250 | PN 40 CL150 | PN 10, 16, 25, 40 CL150, 300 | CL300 (NPS 1/2 through 2), CL150 (NPS 3) | 400 psi @ 66° C (150° F) / 250 psi @ 204° C (400° F) (Bronze) 720 psi @ 66° C (150° F) / 515 psi @ 204° C (400° F) (SST) |
| End Connections | | | | |
| NPT | ASME CL150 or EN PN 10 through 40 | integral flanges, ISA/IEC face-to-face | NPT, buttwelded, wafer (NPS 3 Wafer only) | NPT |
| Valve Body Materials | | | | |
| Bronze | Carbon steel | Carbon steel, stainless steel | Stainless steel | Stainless steel, bronze |
| Valve Plug and Seat Ring (Tri | m) Materials | • | | |
| Post-guided parabolic plug, screwed-in replaceable seat ring 316 Plug and seat ring (standard), 416 plug and seat ring (optional) Metal to metal, PTFE soft seat | Post-guided parabolic plug, screwed-in replaceable seat ring 316 Plug and seat ring (standard), 416 plug and seat ring (optional) Metal to metal, PTFE soft seat | Stainless steel | Dual stem and plug guiding available in 316 stainless steel (standard) 416 stainless steel (optional) | Stainless steel trim material, metal-to-metal seating |
| Flow Characteristics and Ma | ximum Flow Coefficients | | | |
| Equal percentage, linear | Equal percentage, linear | Equal percentage, linear | Equal percentage, linear | Linear |
| Shutoff Class (IEC 60534-4 ar | nd ANSI/FCI 70-2) | • | | |
| Class IV, VI (standard) | Class IV, VI (standard) | Class IV, VI (standard) | Class IV, VI (standard) | Class III |
| Available Actuators (see sect | ion on Sliding-Stem Valve Act | uators) | • | • |
| Baumann 32, 54, 70, Belimo™ electric, Rotork™ electric | Baumann 32, 54, 70, Belimo electric, Rotork electric | Baumann 32, 54, 70, Belimo electric, Rotork electric | Baumann 32, 54, 70, Belimo electric, Rotork electric | Baumann 32, 54, 70, Belimo electric, Rotork electric |

Fisher General-Service Valves

Figure 6. D Series









X1567

| D3 | D4 | D2T | D and DA | | |
|---|--|--|---|--|--|
| Applications | • | | • | | |
| Upstream production - dump valve for separators and scrubbers and high pressure production applications | Upstream production - high pressure throttling applications, ideal for separators, scrubbers, injection | Upstream production - dump valve, scrubbers and separators | Upstream production - dump valve, scrubbers and separators, injection | | |
| Style | | | | | |
| Globe style body | Globe style body | Configurable globe style body, angle style body | Globe style body, angle style body | | |
| Sizes | | | | | |
| NPS 1 and 2 | NPS 1 and 2 | NPS 1 | NPS 1 and 2 | | |
| Ratings | | • | | | |
| CL600, 900 | CL150 through 1500 | CL900 | CL150 through 1500 | | |
| End Connections | | | | | |
| Raised-face flanged, NPT | Raised-face flanged, ring-type joint flanged, NPT | NPT | Raised-face flanged, ring-type joint flanged, NPT | | |
| Valve Body Materials | | • | | | |
| Carbon steel | Carbon steel | Carbon steel | Carbon steel | | |
| Valve Plug and Seat Ring (Trim) Mat | Valve Plug and Seat Ring (Trim) Materials | | | | |
| S17400 plug and seat ring or S17400 with tungsten carbide tip plug and S17400 with tungsten carbide insert seat ring | 410/416 HT plug, 17–4 PH double H1150 pin and seat ring Optional: 17–4 PH double H1150 plug, pin and seat ring, 17–4 PH double H1150 / Tungsten carbide tip plug, 17–4 PH double H1150 pin and 17–4 PH double H1150 / Tungsten carbide insert seat ring | S17400 Double H1150, R30006 | 316 stainless steel trim with CoCr-A on seating surface of valve plug and seat ring | | |
| Flow Characteristics and Maximum | Flow Coefficients | | | | |
| Quick opening | Equal percentage | FloPro characterized | Equal percentage | | |
| Shutoff Class (IEC 60534-4 and ANSI | /FCI 70-2) | | | | |
| Class IV (standard) | Class IV (standard) | Class IV (standard) | Class IV, V (standard) | | |
| Available Actuators (see section on | Sliding-Stem Valve Actuators) | | | | |
| easy-Drive [™] Electric Actuator, D3 Pneumatic Actuator | easy-Drive Electric Actuator, D4 Pneumatic Actuator | D2T Pneumatic Actuator | 657 or 667 spring and diaphragm, 585C piston | | |

Baumann Low Flow and Specialty Valves

Figure 7. Baumann Low Flow and Specialty Valves

X0603





X0527

| 24 | nη | nsi | RR | ars | to | rk |
|----|----|-----|----|-----|----|----|
| | | | | | | |

| 24000SB Barstock |
|---|
| |
| Low-flow high-pressure applications like desuperheater spray water, hydraulic oil, high pressure H2 injection, hydrocarbons, high pressure air separation, HCI (alloy construction) |
| |
| Barstock globe style body |
| |
| NPS 1/2 through 1 |
| |
| 3000 psi max working pressure |
| |
| NPT, flanged, buttwelded |
| |
| Stainless steel, alloys |
| |
| Stainless steel and alloy trims based on body materials selected |
| |
| Equal percentage, linear |
| |
| Class IV, VI (standard) |
| |
| Baumann 32, 54, 70, Belimo electric, Rotork electric |
| |

Fisher Steam Conditioning Valves

Figure 8. Steam Conditioning Valves











| TBX (Flow Up) | TBX (Flow Down) | CVX |
|--|--|--|
| Applications | 12/1(110111 201111) | |
| HP, HRH, IP, LP Turbine Bypass, process steam, stea | m let down | |
| Style | merdown | |
| Flow up design, hung trim configuration to thermally compensate rapid changes in temperature, incorporates a spraywater manifold of variable geometry AF nozzles that produce an optimized spray pattern over a wide operating range | Flow down design, hung trim configuration to thermally compensate rapid changes in temperature, incorporates a spraywater manifold of variable geometry AF nozzles that produce an optimized spray pattern over a wide operating range | Flow down design with downstream acoustical diffuser, hung trim configuration to thermally compensate rapid changes in temperature, incorporates a spraywater manifold of variable geometry AF nozzles that produce an optimized spray pattern over a wide operating range |
| Sizes | | |
| Inlet Sizes: NPS 4 through 24 Outlet Sizes: NPS 8 through 36 | | |
| Orifice Type | | |
| Welded, bolted | Bolted | Welded, bolted |
| End Connections | | |
| Buttwelded, raised-face flanged | | |
| Flow Characteristics | | |
| Whisper Trim III: Linear or WhisperFlo™: Linear | Whisper Trim III: Linear | Standard Drill Hole: Linear |
| Shutoff Class (IEC 60534-4 and ANSI/FCI 70-2) | | |
| Class V (standard) Class IV (optional) | | |
| Valve Body and Bonnet Material and Constructio | n | |
| Carbon steel, alloy steel | | |
| Available Actuators | | |
| See Sliding-Stem Valve Actuators Section | | |

Fisher Sliding-Stem Valve Actuators

Figure 9. Sliding-Stem Valve Actuators







| 657 and 667 | 585C | Baumann Pneumatic | easy-Drive | |
|--|--|---|--|--|
| Features | | | | |
| Heavy-duty actuators | Heavy-duty actuators | General service design w/corrosion resistant epoxy powder paint | General service | |
| Style | | | | |
| Spring-return pneumatic diaphragm | Double-acting piston or spring-bias piston | Spring-return pneumatic, multi-spring design, field-reversible | Electric | |
| Typical Maximum Thrust, lbf (Varies | Typical Maximum Thrust, lbf (Varies with Operating Pressure, Spring, and Construction) | | | |
| 45,000 | 24,300 | 500 | 750 | |
| Accessories | | | | |
| Pneumatic or electro-pneumatic valve positioners, FIELDVUE digital valve controller, limit switches, position transmitters, handwheels, travel stops, supply pressure filter-regulator | I/P transducers, pneumatic or electro-pneumatic valve positioners, FIELDVUE digital valve controller, limit switches, position transmitters, handwheels, travel stops, supply pressure filter-regulator | Pneumatic or electro-pneumatic valve positioners, FIELDVUE digital valve controller | easy-Drive configuration software, travel stops | |

Fisher Sliding-Stem Valve Actuators

Figure 10. Sliding-Stem Valve Actuators







| 655 | 1008 | 1010 | | |
|--|---|--|--|--|
| Features | | | | |
| Actuators for pressure regulation applications | Manual handwheel for applications that require a throttling type of control valve that can be manually operated and set | Yoke, stem, adapter, travel scale, and spacers required to accommodate ISO 5210 mounted electric actuators | | |
| Style | Style | | | |
| Pressure-actuated, spring-and-diaphragm | Manual handwheel actuator | Mounting system for electric actuation | | |
| Typical Maximum Thrust, lbf (Varies with Opera | Typical Maximum Thrust, lbf (Varies with Operating Pressure, Spring, and Construction) | | | |
| | 17,000 | | | |
| Accessories | | | | |
| Travel indicator, top-mounted handwheel/adjustable travel stop, stem seal, drain tapping for leakoff | Handwheel lock, Tejax valve stem position indicator | | | |

Other actuators available are a full range of self-operated control valves: 1B, 643, 644, and 645

Alloy Valve Guidelines

- Emerson Automation Solutions expertise has combined its knowledge of metals and foundry techniques with valve user experience in creating high alloy valves that fight corrosion successfully.
- Guidelines have been developed to help the valve user specify alloy valves correctly. Techniques have also been implemented that verify a foundry's ability to cast alloy valves properly and has established stringent specifications that guide the foundry in providing quality results
- Valve user guidelines include—Avoid the use of alloy tradenames, don't specify wrought for cast, forego non-destructive testing
- Steps used to qualify a foundry include—Weldability tests to gauge the foundry's ability to pour alloy materials, Dedicating casting patterns solely to high-alloy service
- Stringent specifications developed by Emerson Automation Solutions include—Raw Material Composition and Quality, Heat Qualification, Visual Inspection, Weld Repair, Heat Treatment, and Nondestructive Testing

Figure 11. Typical Fisher Products



FIELDVUE Digital Valve Controller Mounted on 667 Actuator and easy-e Valve



EW Valve and Actuator System



FIELDVUE Digital Valve Controller Mounted on 685 Actuator and easy-e Valve

- A complete line of actuators and accessories for Fisher sliding-stem valves are offered that meet your price/performance expectations
- FIELDVUE digital valve controllers are communicating, microprocessor-based controllers that utilize HART[™] and FOUNDATION[™] fieldbus protocols. Through digital communications, the controllers give easy access to actuator, valve, and instrument information that is critical to process operation
- ValveLink™ Software and AMS Suite: Intelligent Device Manager allow you to care for and maintain equipment assets—such as valves, transmitters, analyzers, motors, pumps, etc. and plant unit equipment such as pipes, vessels, tanks, columns, reactors, digesters, etc.—to improve yields and minimize downtime of industrial manufacturing processes
- Contact your <u>Emerson sales office</u> or Local Business Partner for details

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