

## Globe Valve Selection Guide

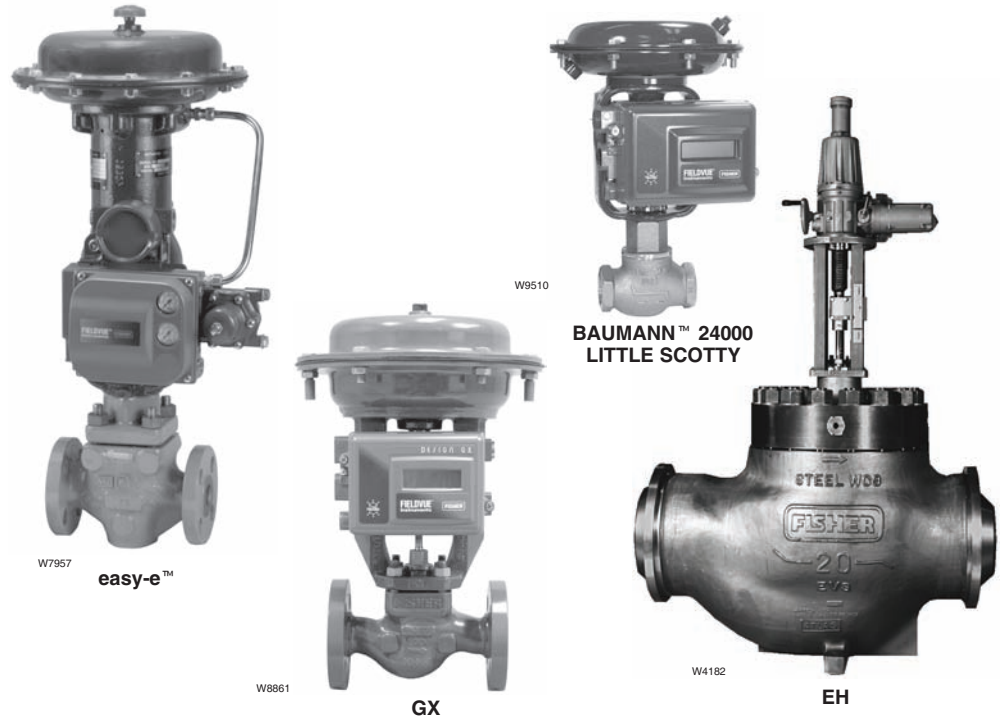


Figure 1. Typical Fisher® Sliding-Stem Control Valves

- These straight-pattern (globe), angle-pattern, and three-way valves offer a broad range of types, sizes, and materials--from DN15 to 600 (NPS 1/2 to 24) low-flow valves to DN 500 (NPS 20) and larger for demanding high-pressure steam and hydrocarbon service (see figure 1).
- FIELDVUE™ digital valve controllers offer digital control and remote diagnostics. The traditional proven line of Fisher positioners, controllers, transmitters, and switches also is available.
- ENVIRO-SEAL™ live-loaded packing systems are available on many designs to assist in compliance with environmental emissions requirements. Live-loaded packing is standard on GX valves.
- Whisper Trim™ and Cavitrol™ anti-noise and anti-cavitation trims are available for most designs.
- These products deliver excellent dynamic performance to minimize process variability, providing opportunities to improve your financial performance.
- For European requirements, complies with PED, ATEX, and EMC directives.



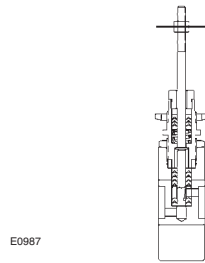
# Globe Valve Selection Guide

Product Flier

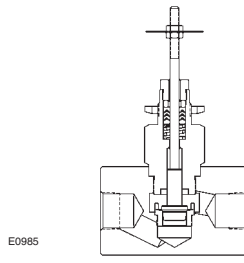
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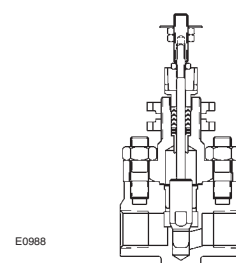
## Low-Flow Valves



**BAUMANN 26000 SERIES**



**BAUMANN 24000SB SERIES**

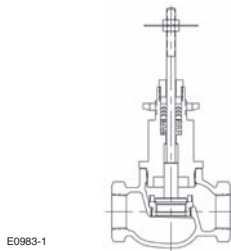


**BAUMANN 51000 SERIES**

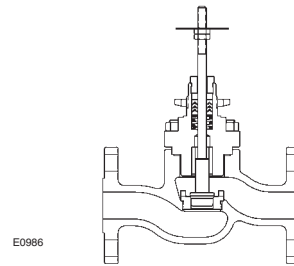
Figure 2. Low-Flow Valves

BAUMANN 26000 SERIES	BAUMANN 24000SB SERIES	BAUMANN 51000 SERIES
<b>Applications</b>		
Suited for demanding pH control of acid or caustic solutions in paper mills, chemical, and life science facilities	Throttling control of high-pressure, low flow rates in industrial control applications.	Throttling control of high-pressure low flow rates in applications often found in laboratories and pilot plants.
<b>Style</b>		
Single-seated, stem-guided globe valve PTFE lined Unbalanced	Single-seated, stem-guided globe valve Unbalanced Screwed-in seat ring Metal or soft seats	Single-seated, stem-guided globe valve Unbalanced Metal or soft seat
<b>Sizes</b>		
DN 25 NPS 1	DN 15, 20, 25 NPS 1/2, 3/4, 1	NPS 1/4 and 1/2
<b>Ratings</b>		
10.3 Bar CWP (150 psig CWP)	207 Bar CWP (3000 psig CWP)	207 Bar CWP (3000 psig CWP)
<b>End Connections</b>		
Wafer (flangeless design) installs between PN 10 PN through 25 or CL150, CL300 line flanges	NPT internal (standard), buttweld. ASME or EN Flanged	Threaded G (Metric) or NPT internal
<b>Valve Body Materials</b>		
S31600/S31603 Annealed (ASTM A479) with PTFE core	S31600/S31603 Dual Certified (ASTM A479 Barstock) Alloys available	CF8M N10276 Nickel Alloy
<b>Valve Plug and Seat Ring (Trim) Materials</b>		
R05200 Tantalum (ASTM B365 cold worked) or N10276 Nickel Alloy (ASTM B574 , 35 HRC Max) plug PTFE seating material	S31600/S21800; alloys available Soft seat is S31600 with PTFE insert	S21800 Annealed (ASTM A479) N10276 PTFE soft seat
<b>Flow Characteristics and Maximum Flow Coefficients</b>		
Modified equal percentage Maximum $C_v$ from 0.001 to 4.2	Equal Percentage or Linear Maximum $C_v$ from 0.0005 to 6.8	Modified equal percentage Maximum $C_v$ from 0.00013 to 2.5
<b>Shutoff Class (IEC 60534-4 and ANSI/FCI 70-2)</b>		
Class IV ( $C_v$ 2.5 and 4.2) Class VI ( $C_v$ 0.001 through 1.0)	Class IV (standard with metal seats) Class VI (with optional soft seats)	Class VI (standard with soft seat) Class IV (available)
<b>Available Actuators (refer to pages 11 and 12)</b>		
Baumann 32 sliding-stem spring-and-diaphragm actuator Electric actuators available	Baumann 32, 54, or 70 sliding-stem spring-and-diaphragm actuators Electric actuators available	Baumann 16 pneumatic actuator Electric actuators available

**Utility Valves**



**BAUMANN 24000 SERIES**



**BAUMANN 24000SVF/CVF SERIES**

Figure 3. Utility Valves

<b>BAUMANN 24000 SERIES</b>	<b>BAUMANN 24000SVF/CVF SERIES</b>
<b>Applications</b>	
Bronze utility valve for pressure, flow, or temperature control in the textile, life science, semiconductor, industrial HVAC, food and beverage, and other industries	Flanged carbon and stainless steel utility valve for use in life sciences, specialty chemical, food-and-beverage, semiconductor, textile, and other industries
<b>Style</b>	
Single-seated, stem-guided globe valve Unbalanced Screwed-in seat ring Metal or soft seats	Single-seated, stem-guided globe valve Unbalanced Screwed-in seat ring Metal or soft seats
<b>Sizes</b>	
DN 15, 20, 25, 40, and 50 NPS 1/2, 3/4, 1, 1-1/2, and 2	DN 15, 20, 25, 40, and 50 NPS 1/2, 3/4, 1, 1-1/2, and 2
<b>Ratings</b>	
ASME B16.15 CL250	PN 10 - 40 or CL150 or CL 300
<b>End Connections</b>	
NPT internal	PN 10 - 40 flanges or CL150 or CL300 raised-face flanges
<b>Valve Body Materials</b>	
ASTM B62 Grade C83600 bronze	24000SVF: CF3M ASTM A351 316L stainless steel) 24000CVF: WCC (ASTM A216 / GP240GH WN 1.0619)
<b>Valve Plug and Seat Ring (Trim) Materials</b>	
S31600 is standard S41600 is optional Soft seat is S31600 (ASTM A479) with PTFE insert	S31600 is standard S41600 is optional Soft seat is S31600 (ASTM A479) with PTFE insert
<b>Flow Characteristics and Maximum Flow Coefficients</b>	
Linear or equal percentage Maximum C <sub>v</sub> from 0.20 to 50.0	Linear or equal percentage Maximum C <sub>v</sub> from 0.00013 to 53.7
<b>Shutoff Class (IEC 60534-4 and ANSI/FCI 70-2)</b>	
Class IV (standard with metal seats) Class VI (with optional soft seats)	Class IV (standard with metal seats) Class VI (with optional soft seats)
<b>Available Actuators (refer to pages 11 and 12)</b>	
Baumann 32, 54, or 70 sliding-stem spring-and-diaphragm actuators Electric actuators available	Baumann 32, 54, or 70 sliding-stem spring-and-diaphragm actuators Electric actuators available

## General-Service and Heavy-Duty Valves

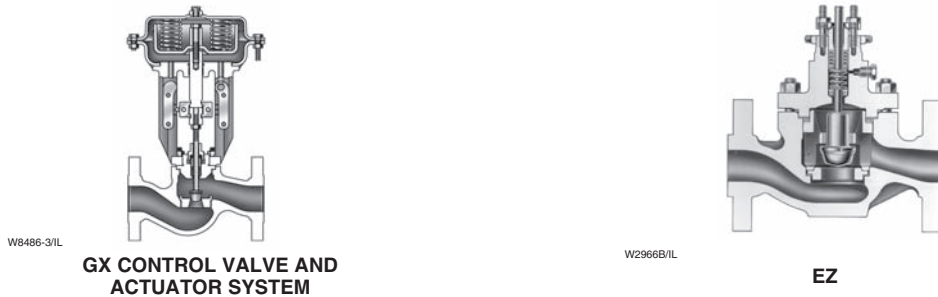


Figure 4. General-Service and Heavy-Duty Valves

GX	EZ
<b>Applications</b>	
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 bar (87 psig), allowing valve shutoff at high pressure drops. Live-loaded PTFE packing is standard.	easy-e Heavy-duty general service for controlling liquids and gases, including viscous and other hard-to-handle fluids. UOP applications
<b>Style</b>	
Single port, flow up globe style valve Stem-guided or port-guided Balanced or unbalanced Screwed-in seat ring	Single-seated, post-guided globe valve Unbalanced Seat ring retained by spacer Metal or soft seats
<b>Sizes</b>	
DN 15, 20, 25, 40, 50, 80, 100, .and 150 NPS 1/2, 3/4, 1, 1-1/2, 2, 3, 4, and 6	DN 15, 20, 25, 40, 50, 80, and 100 NPS 1/2, 3/4, 1, 1-1/2, 2, 3, and 4
<b>Ratings</b>	
EN 1092-1 PN 10 to 40 ASME B16.5 CL150 and CL300	EN 1092-1 PN 16, 25, 40, 63 or 100 ASME B16.5 CL125, CL250, CL150, CL300, or CL600
<b>End Connections</b>	
Flanged raised-face per EN 1092-1 and ASME B16.5	NPT internal, flat- or raised-face flanged, ring-type joint, socket-weld, and buttwelding ends
<b>Valve Body Materials</b>	
EN 1.0619, 1.4409, or CW2M ASME SA216 WCC SA351 CF3M, or CW2M	Cast iron, WCC, CF8M, WC9 and others on request (materials available to EN, ASME, or ASTM specifications)
<b>Valve Plug and Seat Ring (Trim) Materials</b>	
CF3M with optional CoCr-A hardfacing PTFE soft seat	S41600, S31600, or S316000 with CoCr-A on seat or seat and guide) Soft seat is PTFE
<b>Flow Characteristics and Maximum Flow Coefficients</b>	
Equal percentage or linear Maximum C <sub>v</sub> from 0.0389 to 413	Quick opening, linear, or equal percentage Maximum C <sub>v</sub> from 4.44 to 190
<b>Shutoff Class (IEC 60534-4 and ANSI/FCI 70-2)</b>	
Class IV (standard with metal seats), Class V (optional with metal seats), or Class VI (optional with PTFE seats)	Class IV (standard with metal seats), Class V (optional with metal seats), or Class VI (with optional soft seats)
<b>Available Actuators (refer to pages 11 and 12)</b>	
GX multi-spring, pneumatic spring-and-diaphragm	657 or 667 spring-and-diaphragm; 585C piston

**General-Service and Heavy-Duty Valves (Continued)**



Figure 5. General-Service and Heavy-Duty Valves (Continued)

ES	ED
<b>Applications</b>	
easy-e Heavy-duty, general-service valve for clean liquids and gases. Positive shutoff at seat	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
<b>Style</b>	
Cage-guided globe or angle valve Unbalanced Cage-retained seat	Cage-guided globe or angle valve Balanced trim Cage-retained seat
<b>Sizes</b>	
<b>ES:</b> DN 15, 20, 25, 40, 50, 65, 80, 100, 150, 200 NPS 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 6, 8 <b>EWS:</b> DN 100 x 50 through 300 x 200 NPS 4 x 2 through 12 x 8	<b>ED:</b> DN 25, 40, 50, 65, 80, 100, 150, 200 NPS 1, 1-1/2, 2, 2-1/2, 3, 4, 6, 8 <b>EWD:</b> DN 100 x 50 through 600 x 500 NPS 4 x 2 through 24 x 20
<b>Ratings</b>	
EN 1092-1 PN 10, 16, 25, 40, 63, or 100 ASME B16.5 CL125, CL250, CL150, CL300, or CL600	PN 10, 16, 25, 40, 63, or 100 CL125, CL250, CL150, CL300, or CL600
<b>End Connections</b>	
NPT internal, flat- or raised-face flanged, ring-type joint, socket-weld and buttwelding ends	PN 10, 16, 25, 40, 63, or 100 CL125, CL250, CL150, CL300, or CL600
<b>Valve Body Materials</b>	
Cast iron, WCC, CF8M, WC9 steel, and others on request (materials available to EN, ASME, or ASTM specifications)	Cast iron, WCC, CF8M, WC9, and others on request (materials available to EN, ASME, or ASTM specifications)
<b>Valve Plug and Seat Ring (Trim) Materials</b>	
S41600, S31600, or S31600 with CoCr-A on seat or seat and guide) Soft seat is PTFE	S41600, S31600, or S316000 with alloy 6 on seat or seat and guide
<b>Flow Characteristics and Maximum Flow Coefficients</b>	
Quick opening, linear, or equal percentage Maximum $C_v$ from 6.53 to 1110	Quick opening, linear, or equal percentage Maximum $C_v$ from 17.2 to 6500
<b>Shutoff Class (IEC 60534-4 and ANSI/FCI 70-2)</b>	
Class IV (standard with metal seats), Class V (optional with metal seats), or Class VI (with optional soft seats)	Class II (standard) Class III or IV (optional depending on size)
<b>Available Actuators (refer to pages 11 and 12)</b>	
657 or 667 spring-and-diaphragm; 585C piston	657 or 667 spring-and-diaphragm; 585C piston

## Heavy-Duty and Severe-Service Valves

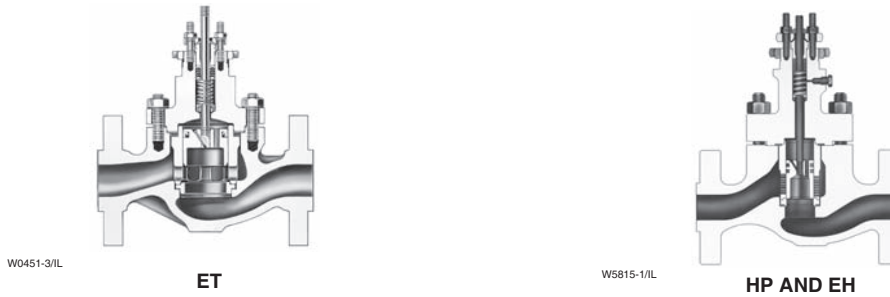


Figure 6. Heavy-Duty and Severe-Service Valves

ET	HP and EH
<b>Applications</b>	
easy-e heavy-duty, general- and severe- service valve for tight shutoff with clean liquids and gases with higher pressure drops and temperatures to 232°C (to 316°C with optional seal materials)	For high-pressure and severe-service applications. Available with special trim to combat noise and cavitation. Often used in power generation applications
<b>Style</b>	
Cage-guided globe or angle valve Balanced trim Cage-retained seat	Cage-guided globe or angle valve Balanced or unbalanced trim
<b>Sizes</b>	
<b>ET:</b> DN 25, 40, 50, 65, 80, 100, 150, 200 NPS 1, 1-1/2, 2, 2-1/2, 3, 4, 6, 8 <b>EWT:</b> DN 100 x 50 through 600 x 500 NPS 4 x 2 through 24 x 20	DN 25, 50, 80, 100, 150, 200, 250, 300, 350, 500 NPS 1, 2, 3, 4, 6, 8, 10, 12, 14, 20
<b>Ratings</b>	
PN 10, 16, 25, 40, 63, or 100 CL125, CL250, CL150, CL300, or CL600	DIN PN 160, 250, 420 CL900, CL1500, CL2500, or intermediate ratings
<b>End Connections</b>	
NPT internal, flat- or raised-face flanged, ring-type joint, socket-weld and buttwelding ends	Raised-face flanged, ring-type joint, socket-weld and buttwelding ends Expanded ends
<b>Valve Body Materials</b>	
Cast iron, WCC, CF8M, WC9, and others on request (materials available to EN, ASME, or ASTM specifications)	WCC, WC9, LCC, CF8M (materials available to EN, ASME, or ASTM specifications)
<b>Valve Plug and Seat Ring (Trim) Materials</b>	
S41600, S316000, or S31600 with CoCr-A on seat or seat and guide) Soft seat is PTFE	S41600, S31600, S44004, or S31600 with CoCr-A on seat or seat and guide)
<b>Flow Characteristics and Maximum Flow Coefficients</b>	
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
<b>Shutoff Class (IEC 60534-4 and ANSI/FCI 70-2)</b>	
Soft seat: V Metal seat: IV (standard) or V (optional)	Class II, III, IV or V (depending on size and construction)
<b>Available Actuators (refer to pages 11 and 12)</b>	
657 or 667 spring-and-diaphragm; 585C piston	657 or 667 spring-and-diaphragm; 585C piston

**Three-Way Valves**



Figure 7. Three-Way Valves

GX 3-Way	YD and YS
<b>Applications</b>	
Compact, state-of-the-art control valve and actuator system, designed to achieve accurate controllability of waters, oils, and other industrial fluids. Excellent for accurate temperature control. Live-loaded PTFE packing is standard.	Three-way valves for flow-mixing or flow-splitting service. The YS is unbalanced, and the YD is balanced.
<b>Style</b>	
Side-port common (unbalanced) construction for both diverging and converging flow. Optional bottom-port common for high pressure-drop applications.	Cage-guided three-way globe valves Balanced or unbalanced trim
<b>Sizes</b>	
DN 25, 40, 50, 80, and 100 NPS 1, 1-1/2, 2, 3, and 4	DN 15, 25, 40, 50, 65, 80, and 100 NPS 1/2, 3/4, 1, 1-1/2, 2, 2-1/2 3, and 4
<b>Ratings</b>	
EN 1092-1 PN 10 to 40 ASME B16.5 CL150 and CL300	EN 1092-1 PN 10, 16, 25, 40, 63, or 100 ASME B16.5 CL125, CL250, CL150, CL300, or CL600
<b>End Connections</b>	
Raised-face flanges per EN 1092-1 and ASME B16.5	NPT internal, flat- or raised-face flanged, ring-type joint, socket-weld and buttwelding ends
<b>Valve Body Materials</b>	
EN 1.0619 or 1.4409 ASME SA216 WCC steel, ASME SA351 CF3M	Cast iron, WCC or LCC, CF8M (materials available to EN, ASME, or ASTM specifications)
<b>Valve Plug and Seat Ring (Trim) Materials</b>	
CF3M plug and bottom seat with optional hardfacing (bottom port construction). Both side- and bottom-port constructions use a hardfaced upper seat	CB7Cu-1, S416000, CF8M, or CF8M with CoCr-A on seat or seat and guide
<b>Flow Characteristics and Maximum Flow Coefficients</b>	
Linear Maximum C <sub>v</sub> from 14 to 178	Linear Maximum C <sub>v</sub> 8.10 to 567
<b>Shutoff Class (IEC 60534-4 and ANSI/FCI 70-2)</b>	
Metal seat Class IV (standard)	Class II or IV (YD) Class IV or V (YS)
<b>Available Actuators (refer to pages 11 and 12)</b>	
GX multi-spring, pneumatic diaphragm	657 or 667 spring-and-diaphragm; 585C piston

## Cryogenic and Lined Valves



Figure 8. Cryogenic and Lined Valves

ET-C and EZ-C	RSS
<b>Applications</b>	
easy-e stainless steel cryogenic valves for liquefied natural gas and other special chemical and hydrocarbon applications with temperatures to $-198^{\circ}\text{C}$	Lined valve for severely corrosive or toxic process fluids. An economic alternative to alloy bodies. Limited in pressure and temperature
<b>Style</b>	
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 Includes bellows stem seal
<b>Sizes</b>	
<b>ET-C:</b> DN 80, 100, 150, 200 NPS 3, 4, 6, 8 <b>EW-C:</b> 150 x 100, 200 x 100, 200 x 150, 250 x 200, 300 x 200 NPS 6 x 4, 8 x 4, 8 x 6, 10 x 8, 10 x 8 <b>EZ-C:</b> DN 25, 40, 50, 80, 100 NPS 1, 1-1/2, 2, 3, 4	DN 25, 40, 50, 80, 100, 200 NPS 1, 1-1/2, 2, 3, 4 Face-to-face dimensions to EN or ASME specifications
<b>Ratings</b>	
EN 1092-1 PN 10, 16, 25, 40, 63, or 100 ASME B16.5 CL150, CL300, or CL600	CL150 or CL300
<b>End Connections</b>	
Raised-face flanges	Raised-face flanges
<b>Valve Body Materials</b>	
CF8M (materials available to EN, ASME, or ASTM specifications)	Ductile iron with PFA liner
<b>Valve Plug and Seat Ring (Trim) Materials</b>	
S31600 with CoCr-A hardfacing on seat or on seat and guide	Valve Plug and Seat Ring: Pure modified (reinforced) PTFE Bellows: Heavy-duty PTFE (TFM1705) with 304L SST support rings
<b>Flow Characteristics and Maximum Flow Coefficients</b>	
Quick opening, linear, or equal percentage Maximum $C_v$ from 13.2 to 1160	Equal percentage Maximum $C_v$ from 1.91 to 145
<b>Shutoff Class (IEC 60534-4 and ANSI/FCI 70-2)</b>	
Class IV (standard) Class VI (optional)	Class VI (soft seat)
<b>Available Actuators (refer to pages 11 and 12)</b>	
657 or 667 spring-and-diaphragm; 585C piston	657 or 667 spring-and-diaphragm; 585C piston



## Other Valve Options

**Cavitating Liquids . . .** Cavitrol trim is available in many of these valves and in other severe-service valves. Cavitrol trim can minimize cavitation noise and damage in a properly sized valve.

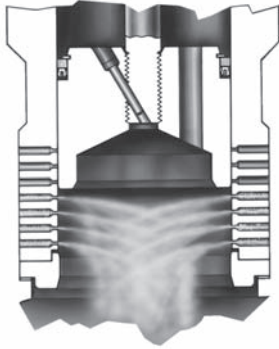
**Noisy Gases . . .** Whisper Trim cages can substantially reduce noise in gas, vapor, and steam applications. Whisper Trim is available in several performance levels in many of these valves.

**Materials for Sour Service . . .** Materials and

manufacturing procedures are available for compatibility with NACE MR0103 and MR0175/ISO 15156.

### Protection Against Process Fluid Emissions . . .

Optional ENVIRO-SEAL and HIGH-SEAL packing systems provide an improved stem seal to help prevent the loss of valuable or hazardous process fluids. These live-loaded systems provide longer packing life and reliability. Live-loaded packing is standard on GX and GX 3-way valves.



W3747/IL

**CAVITROL TRIM  
FOR CONTROL OF LIQUID CAVITATION**

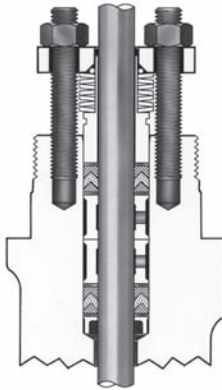


W2629/IL

**WHISPER TRIM III CAGE  
FOR REDUCTION OF NOISE  
IN GAS AND VAPOR APPLICATIONS**

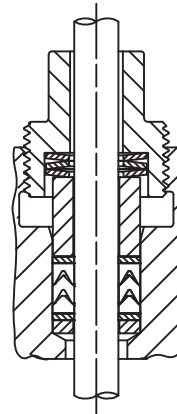


**WHISPER TRIM III  
NOISE-ABATEMENT TRIM  
FOR GX VALVES**



W5803-3/IL

**PTFE ENVIRO-SEAL PACKING SYSTEM**



E0897/IL

**LIVE-LOADED PACKING SYSTEM FOR GX VALVES**

Figure 9. Other Valve Products

## Other Valve Products

### Steam Conditioning Service

Fisher steam conditioning products accurately control steam for high efficiency in power generation, industrial processing, space heating, and auxiliary steam applications. Steam conditioning valves,

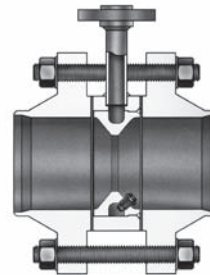
desuperheaters, and turbine bypass systems are available.

For a broad range of process control valves--beyond those mentioned here--contact your nearest sales office.



W6740-2A

**TBX STEAM CONDITIONING VALVE**



W6313/IL

**DVI DESUPERHEATER**

*Figure 10. Steam Conditioning Service*

## Globe Valve Actuators (Spring-and-Diaphragm)



Figure 11. Globe Valve Actuators

BAUMANN	657 and 667
<b>Features</b>	
Compact, light-weight actuator designed for use with Baumann sliding-stem valves	Heavy-duty actuators
<b>Style</b>	
Spring-return pneumatic diaphragm	Spring-return pneumatic diaphragm
<b>Typical Maximum Thrust, Newtons (Varies with Operating Pressure, Spring, and Construction)</b>	
3750	10 000 to 200 000
<b>Accessories</b>	
Pneumatic or electro-pneumatic valve positioners, FIELDVUE digital valve controller, limit switch box, supply pressure filter-regulator, handwheel for 32 and 54 actuator	Pneumatic or electro-pneumatic valve positioners, FIELDVUE digital valve controller, limit switches, position transmitters, handwheels, travel stops, and supply pressure filter-regulator

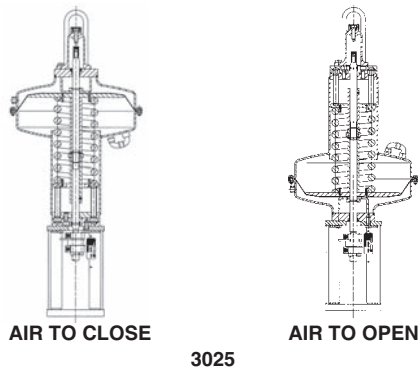


Figure 12. Globe Valve Actuators

3025
<b>Features</b>
Long travel, up to 200 mm (8 inches)
<b>Style</b>
Spring-opposed pneumatic diaphragm
<b>Typical Maximum Thrust, Newtons (Varies with Operating Pressure, Spring, and Construction)</b>
Air to Close, Size P900: 76 300 Air to Open, Size P900: 61 200
<b>Accessories</b>
Handwheels, transducers, position transmitters, air relays, volume boosters, switching valves, lockable valves, limit switches, and solenoid valves are available for actuator mounting.

## Globe Valve Actuators (Piston)



Figure 13. Globe Valve Actuators

585C	585CLS
<b>Features</b>	
Heavy-duty actuators	Heavy-duty actuators for large valves and valves with long travel
<b>Style</b>	
Double-acting piston or spring-bias piston	Double-acting piston
<b>Typical Maximum Thrust, Newtons (Varies with Operating Pressure, Spring, and Construction)</b>	
30 700 at 10.3 bar operating pressure	200 170 at 9.85 bar operating pressure with a 508 mm (20-inch) diameter cylinder. Note: All smaller cylinders have a maximum operating pressure of 10.3 bar
<b>Accessories</b>	
I/P transducers, pneumatic or electro-pneumatic valve positioners, FIELDVUE digital valve controller, limit switches, position transmitters, handwheels, travel stops, and supply pressure filter-regulator	I/P transducers, pneumatic valve positioners, limit switches, position transmitters, handwheels, travel stops, and supply pressure filter-regulator

**Other actuators available are . . .**

- Full range of self-operated control valves
- Manual handwheel actuator

## Valve Controllers and Positioners



W8077

**FIELDVUE DVC6000**



W8861/IL

**FIELDVUE DVC2000  
MOUNTED ON GX VALVE**

*Figure 14. Valve Controllers and Positioners*

### **FIELDVUE Digital Valve Controller**

FIELDVUE digital valve controllers are communicating, microprocessor-based controllers that convert a current signal to a pressure signal to operate the actuators.

Through the HART® or FOUNDATION™ fieldbus communications protocol, the controller gives easy access to critical valve assembly information. AMS ValveLink™ Software allows easy access to valve assembly performance characteristics. Vital

information can be obtained without having to pull the valve from the line.

Performance diagnostic tests, including on-line friction, deadband analysis, and trending can be run while the valve is in service and operating. Valve signature, dynamic error band, and step response are displayed in an intuitive user-friendly environment that allows easy interpretation of data.

FIELDVUE models include the DVC6000 and DVC2000 with local user interface for calibration.

## Valve Controllers and Positioners (Continued)

### Pneumatic and Electro-Pneumatic Valve Positioners



W8590

**3661 I/P POSITIONER  
MOUNTED ON GX VALVE**



W5500

**3582i I/P POSITIONER  
MOUNTED ON easy-e VALVE**

*Figure 15. Valve Positioners*

Several pneumatic and electro-pneumatic valve positioners are available, including the 3660 P/P, 3661 I/P, 3582 P/P, and 3582i I/P positioners.

**Note**

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## Sales Offices

For the name and location of your nearest sales office, refer to [www.emersonprocess.com/Fisher/support/contactus/index.html](http://www.emersonprocess.com/Fisher/support/contactus/index.html) or contact our headquarters:

### Europe

Emerson Process Management  
Prince Regent House  
Chatham Maritime Kent ME4 4QZ  
United Kingdom  
T +44 (0)16 34 89 58 00  
F +44 (0)16 34 89 58 42

### Middle East and Africa

Emerson Process Management  
P.O. Box 17 003  
Jebel Ali Free Zone  
Dubai  
United Arab Emirates  
T +(971) 4 883 5235  
F +(971) 4 883 5312

### Russia

Emerson Process Management  
Malaya Trubetskaya  
Street 8 - 11th Floor  
119881 Moscow  
T (7) 095 232 69 68  
F (7) 095 245 86 85

### Latin America

Emerson Process Management  
Av. Hollingsworth 325  
Iporanga Sorocaba, SP  
CEP 18.087-105  
Brazil  
T +(55)(15)3238-3788  
F +(55)(15)3238-3300

### Asia Pacific

Emerson Process Management  
Asia Pacific Pte Ltd  
1 Pandan Crescent  
Singapore 128461  
Singapore  
T +(65) 6777 8211  
F +(65) 6777 8010

### Japan

Nippon Fisher Co. Ltd.  
Shinagawa NF Building  
4th Floor, 1-2-5 HigashiShinagawa  
Shinagawa-Ku, Tokyo, 140-0002  
Japan  
T (81)-3-5769-6900  
F (81)-3-5769-6901

### North America

Emerson Process Management  
301 S. 1st Avenue  
Marshalltown IA 50158  
USA  
T (641) 754-3011  
F (641) 754-2830

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### Emerson Process Management

Marshalltown, Iowa 50158 USA  
Sorocaba, 18087 Brazil  
Chatham, Kent ME4 4QZ UK  
Dubai, United Arab Emirates  
Singapore 128461 Singapore

[www.Fisher.com](http://www.Fisher.com)