

Globe Valve Product Guide

General Service + Heavy Duty

easy-e™ ED  Cast Iron, Carbon Steel, SST, Alloys DN 25 to 200 - NPS 1 to 8 PN 16 to 100 - CL125 to CL600 Class II (Class III, IV, or V optional) 17.2-6500 rated Cv 	easy-e ET  Cast Iron, Carbon Steel, SST, Alloys DN 25 to 200 - NPS 1 to 8 PN 16 to 100 - CL125 to CL600 Class IV (Class V or VI optional) 17.2-6500 rated Cv 	easy-e ES  Cast Iron, Carbon Steel, SST, Alloys DN 15 to 200 - NPS ½ to 8 PN 16 to 100 - CL125 to CL600 Class IV (Class V or VI optional) 6.53-1110 rated Cv 	easy-e EZ  Cast Iron, Carbon Steel, SST, Alloys DN 15 to 100 - NPS ½ to 4 PN 16 to 100 - CL125 to CL600 Class IV (Class V or VI optional) 4.47-190 rated Cv 	easy-e EW  Carbon Steel, SST, Alloys DN 100x50 to 300x200 - NPS 4x2 to 12x8 PN 16 to 160 - CL150 to CL900 Class II, III, IV, V, VI 82-1260 rated Cv 
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General Service + Low Flow

GX  Carbon Steel, SST, Alloys DN 15 to 150 - NPS ½ to 6 PN 10 to 40 - CL150 or CL300 Class IV (Class V or VI optional) 0.11 to 413 rated Cv 	24000CVF/SVF  SST, Carbon Steel NPS ½ to 2 PN 10 to 40 - CL150 or CL300 Class IV or VI 0.00013 to 56 rated Cv 	24000  Bronze NPS ½ to 2 CL250 Class IV or VI 0.02 to 50 rated Cv 	24000S  SST NPS ½ to 3 CL300, except NPS 3 is CL150 Class IV or VI 0.00013 to 61 rated Cv 	24000C  Carbon Steel NPS ½ to 2 PN10 to 40, CL150 Class IV or VI 0.02 to 52.9 rated Cv 
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Low Flow + Micro Flow

easy-e EZ  Carbon steel, SST, Alloys DN25-50, NPS ½ - 2 PN10 to 100, CL125-CL600 0.003 - 10.2 rated Cv 	easy-e ES  Carbon steel, SST DN25-DN50, NPS 1-2 PN20 to 100, CL150-CL600 0.001 - 3.383 rated Cv 	24000SB  SST, Alloys NPS ½ to 1 CL150-900, 3000 psi, 6000 psi Class IV or VI 0.00013 to 6.8 rated Cv 	51000  SST, Nickel Alloy NPS ¼ to ½ 3000 psi CWP Class IV or VI 0.00013 to 2.5 rated Cv 	81000  SST, Alloys NPS ¼ to ½ 275 psi CWP Class IV 0.0001 to 0.70 rated Cv 
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AVAILABLE TRIM OPTIONS



Linear Characteristic



Equal Percentage Characteristic



Quick Opening Characteristic



Balanced



Unbalanced



Whisper Trim



Cavitrol Trim



Angled Option Available

Visit [Fisher.com](https://www.fishercontrols.com) or click on a product for more information.

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High Pressure + Heavy Duty

HP



Carbon Steel, SST,
Alloys
NPS 24
PN 160 to 250
CL900 to
CL3200



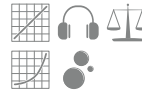
EH



Carbon Steel, SST,
Alloys
NPS 1 1/2 x1 to 20
CL900 to
CL2500
Class II, III, IV, V



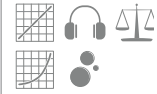
Large ED



Carbon Steel, SST,
Alloys
NPS 12 to 36
CL150 to CL600
Class IV (Class V
optional)
50-9530
rated Cv



Large ET



Carbon Steel, SST,
Alloys
NPS 12 to 36
CL150 to CL600
Class V (Class IV
optional)
50-9530
rated Cv



3-Way

24003/24003S



SST, Bronze
NPS 1/2 to 2
Class III
1 to 40
rated Cv



GX 3-Way



SST,
Carbon Steel
DN 25 to 100 -
NPS 1 to 4
PN 10 to 40 -
CL150 or CL300
Class IV
0.615 to 216.4
rated Cv



YS & YD



Cast Iron,
Carbon Steel, SST,
Alloys
NPS 1/2 to 8
CL125 to CL600
Class IV or II (YD),
Class IV or V (YS)
0.494 to 588
rated Cv



Lined

RSS



Ductile Iron
with PFA liner
NPS 1 to 4
CL150 or CL300
Class VI
1.91 to 145
rated Cv



26000

PTFE Lined SST
NPS 1
150 psi CWP, 10.3
bar CWP
Class IV or VI
0.001 to 4.2 rated
Cv



Upstream Oil + Gas

D



Carbon Steel
NPS 1 and 2
CL150 - CL2500
and API10000
Class IV (Class V
optional)
0.354 to 44.9
rated Cv



D2T & D2 Angle



Carbon Steel
NPS 1
CL900
Class IV



D3



Carbon Steel
NPS 1 and 2
CL600 and CL900
Class IV
0.376 to 16.8
rated Cv



D4



Carbon Steel
NPS 1 and 2
CL150 and
CL1500
Class IV
0.569 to 33.2
rated Cv



D3 & D4 with easy-Drive™ actuator

Electric
actuator
for D3 and
D4 valves



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Piston Actuators

585C

Piston actuator
Sizes 25 to 130
up to 111kN
(25,000 lbf)
Max thrust



685

Spring-return
piston actuator
Sizes 10 to 28
354 kN
(79,000 lbf)
Max thrust



785C

Piston actuator
Sizes 8 to 24
354 kN
(79,000 lbf)
1600 kN (359,000
lbf) for double
acting springless
and 540 kN
(121,000 lbf) for
spring-return
Max thrust



Electric Actuation

easy-Drive 200L

Electric Actuator
designed for Upstream
Oil & Gas
Paired with
D3 or D4



Baumann™ SV

Electric Actuator
designed for
HVAC and
semiconductors
Fisher Baumann
24000 series



Spring + Diaphragm

655

Spring-return
pneumatic
diaphragm
Sizes 3A to 46



657/667

Spring-return
pneumatic
diaphragm
Sizes 30 to 100
10-200 kN
(2,250 -
45,000 lbf)
Max thrust



16/32/54/70

Spring-return
pneumatic
diaphragm
Sizes 16 to 70



Mounting

1010

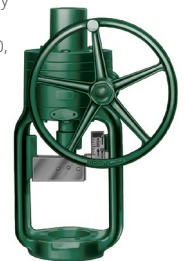
Yoke,
stem adaptor,
travel scale,
and spacers required
to accommodate
ISO 5210
mounted
electric actuators.



Manual Actuator

1008

Manual-only
handwheel
Sizes 30, 40,
50, and 80
7-75 kN
(1,650-
17,000 lbf)
Max thrust



Standard Trim Options

Linear



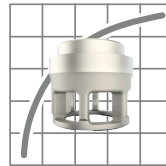
Percentage of max Cv is directly
proportional to the valve stem
position. Used in constant
pressure drop applications.

Equal Percentage



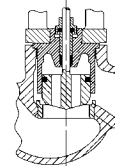
Equal increments of change in stem
position produce an equal percentage
of change in Cv. Used where change
in pressure decreases as the flow rate
increases.

Quick-Opening



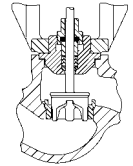
High Cv at low travel.
Used for relief, on-off, dump,
and high-grain linear at low lift
applications.

Balanced



Includes holes or ports that run
through the plug and equalize the
pressure that register on the top and
bottom of the plug.

Unbalanced



Pressure unbalance across the valve
plug resulting in an upward stem
force that must be overcome by the
actuator.

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Severe Service Globe Valve Product Guide

Severe Service + Heavy Duty

NotchFlo DST	CAV4	FB	461	ODV
 SST, Carbon Steel, Alloy NPS 1-8 CL300-CL2500 Class V 	 SST, Carbon Steel, Alloy NPS 2-6 CL2500 Class IV, V, VI 	 SST, Carbon Steel NPS 8X12-42X48 CL150-CL600 Class II, III, IV, V 	 SST, Carbon Steel, Alloy NPS 2X3-6X8 CL150-CL2500 Class IV, V 	 Optimized Antisurge Applications 

Severe Service Trim Options

Whisper Technology	Cavitation Technology	Dirty Service Trim
 Aerodynamic noise abatement in vapor, gas, or steam applications Whisper I, Whisper III, WhisperFlo 	 Clean, cavitating services with pressure drops up to 207 bar (3000psi) Cavitrol III, IV 	 Retrofittable dirty, cavitating services Carbon steel, SST NPS 1 to 24X20 Class V 

Cryogenic

ET-C	EZ-C	HPT-C	HPS-C
 SST NPS 3 to 8, DN80 to 200 CL150 to CL600 PN 10 to 100 Class IV (Class V optional) Temperature limit: -198 °C (-325 °F) 	 SST NPS 1 to 4 DN 25 to 100 CL150 to CL600 PN 10 to 100 Class IV (Class VI optional) Temperature limit: -198 °C (-325 °F) 	 SST NPS 4 to 12, DN100 to 150 CL900, CL1500 PN 160 to 250 Class IV, V Temperature limit: -198 °C (-325 °F) 	 SST NPS 1 to 3 DN 25 to 80 CL900, -2500 PN 160 to 250 Class IV, V Temperature limit: -198 °C (-325 °F) 

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