

Sliding-Stem Valve Product Guide

General Service + Heavy Duty

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)



ES



Cast Iron, Carbon Steel, SST, Alloys
DN 15 to 200 - NPS 1/2 to 8
PN 16 to 100 - CL125 to CL600
Class IV (Class V or VI optional)



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)



EZ



Cast Iron, Carbon Steel, SST, Alloys
DN 15 to 100 - NPS 1/2 to 4
PN 16 to 100 - CL125 to CL600
Class IV (Class V or VI optional)



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



Available Trim Options



Linear Characteristic



Equal Percentage Characteristic



Quick Opening Characteristic



Balanced



Unbalanced



Whisper Trim



Cavitrol Trim

General Service + Heavy Duty

HP



Carbon Steel, SST, Alloys
NPS 1 to 8
PN 160 to 250 - CL900 to CL2500
Class II, III, IV, V



EH



Carbon Steel, SST, Alloys
NPS 1 1/2 x1 to 20
CL1500 to CL2500
Class II, III, IV



GX



Carbon Steel, SST, Alloys
NPS 15 to 150 - NPS 1/2 to 6
PN 10-40 - CL150 or CL300
Class IV (Class V or VI optional)



Large ED



Carbon Steel, SST, Alloys
NPS 12 to 36
CL150 to CL600
Class IV (Class V optional)



Large ET



Carbon Steel, SST, Alloys
NPS 12 to 36
CL150 to CL600
Class V (Class IV optional)



Upstream Oil + Gas

D & DA



Carbon Steel
NPS 1 and 2
CL150 - CL2500 and API10000
Class IV (Class V optional)



D2T FloPro



Carbon Steel
NPS 1
CL900
Class IV



D3 FloPro



Carbon Steel
NPS 1 and 2
CL600 and CL900
Class IV



D4



Carbon Steel
NPS 1 and 2
CL150 and CL1500
Class IV



D3 & D4 with easy-Drive™

Electric actuator for D3 and D4 valves



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EMERSON

Sliding-Stem Valve Product Guide

Specialty

RSS



Ductile Iron with PFA liner
NPS 1 to 4
CL150 or CL300
Class VI



YD and YS



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



GX 3-Way



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



ET-C



Cryogenic
SST
ET-C DN 80 to 200
- NPS 3 to 8
PN 10 to 100 -
CL150 to CL600
Class IV (Class V optional)



EZ-C



Cryogenic
SST
EZ-C DN 25 to
100 - NPS 1 to 4
PN 10 to 100 -
CL150 to CL600
Class IV (Class V optional)



Available Trim Options



Linear
Characteristic



Equal Percentage
Characteristic



Quick Opening
Characteristic



Balanced



Unbalanced



Whisper Trim



Cavitrol Trim

Actuation

585C

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



685

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



655

Spring-return
pneumatic
diaphragm
Sizes 3A
to 46



657/667

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



1008

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



1010

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



Linear



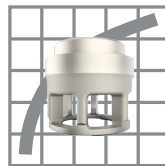
Percentage of max Cv is directly proportional to the valve stem position. Used in constant pressure drop applications.

Equal Percentage



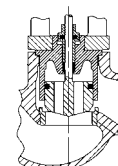
Equal increments of change in stem position produce an equal percentage of change in C_v . Used where change in pressure decreases as the flow rate increases.

Quick-Opening



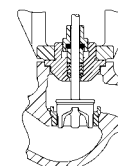
High Cv at low travel. Used for relief, on-off, dump, and high-grain linear at low lift applications.

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.

Trim Options

Visit Fisher.com or click on a product for more information.