

Control Valves

Series 800

Heavy Duty Valves

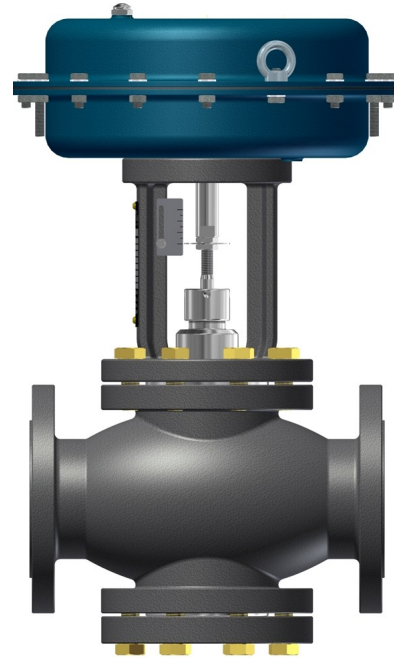


Technical data

Diameter (DN)	DN 15—150, 1" - 6"
Pressure rating	DIN PN40, ANSI 300#
Connections	Flanges DIN, Flanges ANSI 300#, welding ends
Flanges	DIN PN 10-40, ANSI 300#
Dimensions	DIN PN10-40, ANSI CLASS 300 face-to-face
Plug sealing	Metal sealing (Class IV) , soft sealing (Class VI)
Characteristic	Linear, equalpercentage
Temperature	-196 to +350°C

Description

The Series 800 "Heavy Duty" control valve offers superior performance in nearly all types in liquid and gaseous services within a wide temperature range. Due to the modular body construction the valves can easily be upgraded to special applications. Cryogenic, high temperature or bellows sealed designs are available and can be delivered with very short delivery times. The Series 800 is the industry choice for a reliable and tough control valve. All valves are delivered as tested units and ready for a long lasting, maintenance free operation.



Options

- ⇒ Stellite or toughened plug and seat
- ⇒ Class VI, tight shut off sealing
- ⇒ High temperature extension / finned bonnet (+350°C)
- ⇒ Cryogenic extension (-196°C)
- ⇒ Bellows seal (double PN16, triple wall PN40)
- ⇒ Full stainless steel actuator for corrosive environment.
- ⇒ 3-way (mixing or diverting) valves (see brochure 803)
- ⇒ Low Noise or anti-cavitation trim
- ⇒ Stroke limiter
- ⇒ Handwheel for emergency operation
- ⇒ Valve positioners (Exi, Exd, HART, BUS)
- ⇒ Limit switches
- ⇒ Position feedback
- ⇒ Airset
- ⇒ Electric linear actuators (400, 230, 24 V, Ex, Exd)

Capacity factor (C_v) Series 800

DN	C_v ($C_v = 1.16 \times K_{vs}$)			
15	4	2,5	2	1,5
20	7	4	2,5	2
25	12	7	4	2,5
32	18	12	7	4
40	28	18	12	7
50	48	28	18	12
65	72	48	28	18
80	105	72	48	28
100	160	105	72	48
150	300	210	160	105

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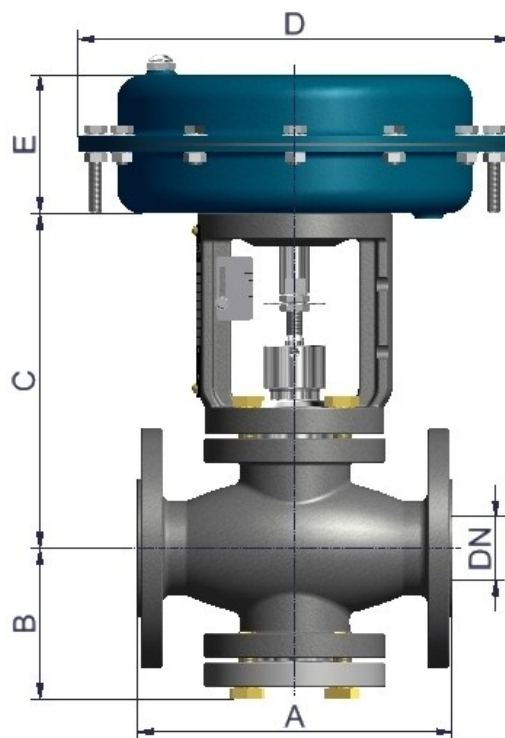
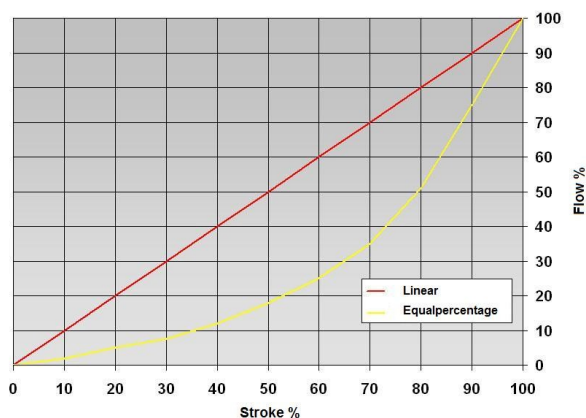
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Materials	
Valve body	GGG 40 / A216 WCB / CF8M
Trim (plug / seat / stem)	316L / Stellite / 17-4PH / HAC / Monel
Stem	316L
Packing	PTFE, PTFE-CG + 'OR' FPM, special
Body gasket	FASIT 400, SIL C4500, PTFE, special
Actuator	FE (coated), stainless steel
Yoke	GGG 40, stainless steel

Control characteristic



Dimensions DIN (mm)					
DN	A	B	C	D	E
15	130	96	297	200	88
20	150	96	297	200	88
25	160	96	297	200	88
32	180	96	297	275	88
40	200	96	297	275	88
50	230	100	297	275	88
65	290	137	333	340	123
80	310	137	333	430	123
100	350	159	350	430	123
150	480	233	500	430	185

Dimensions ANSI (mm)					
DN	A	B	C	D	E
1"	197	96	297	200	88
1 1/2"	235	96	297	275	88
2"	267	100	297	275	88
3"	318	137	333	430	123
4"	368	159	350	430	123
6"	473	233	500	430	185

Indicative weight *

DN	15	20	25	32	40	50	65	80	100	150
Kg	14	15	16	23	25	35	59	63	80	165

* without positioner, airset or other accessories

We reserve the right to make improvements without prior notice