

# Control Valves

## Series 600

### Sanitary Control Valves

#### Technical data

Size (DN)	DN 15 — 100
Pressure rating	PN10
Connections	Flanges, DIN 11851, clamp, BW
Type sealing	Soft (Class VI), metallic (Class IV - V)
Characteristic	Linear, Equalpercentage (eqp%)
Action	<b>Pneumatic with diaphragm</b> (supply max 3 bar)
Temperature	-15 to +160 °C

#### Description

Serie 600 sanitary control valves are linear control valves with a valve body made from 316L in angle design. The precise machined plug in 316L material gives an excellent control performance.

Series 600 valves have integrated seat in the valve body and therefore are pocket-free and provide absolute drainage. These sanitary valves are ideal for applications in the food, pharmaceutical, cosmetic and biotech segments.

On request special body designs can be supplied: 3-way valves, in-line design. Complete stainless steel pneumatic actuators can be mounted on the valves.

#### Options

- ⇒ Full stainless steel actuator for corrosive environment
- ⇒ 3-way (mixing or diverting) valves
- ⇒ Steam barriers
- ⇒ Handwheel for emergency operation
- ⇒ Valve positioners
- ⇒ Limit switches
- ⇒ Position feedback
- ⇒ Airset
- ⇒ Electric linear actuators (230 V AC, 24 V AC/DC)



Materials	
Valve body	Stainless steel 316L (1.4404)
Trim (plug - seat)	316L
Stem	316L
O-Ring	EPDM, silicon, other materials
Acuator	FE (epoxy varnish), stainless steel
Yoke	Stainless steel

#### Flow rate coefficient (CV)

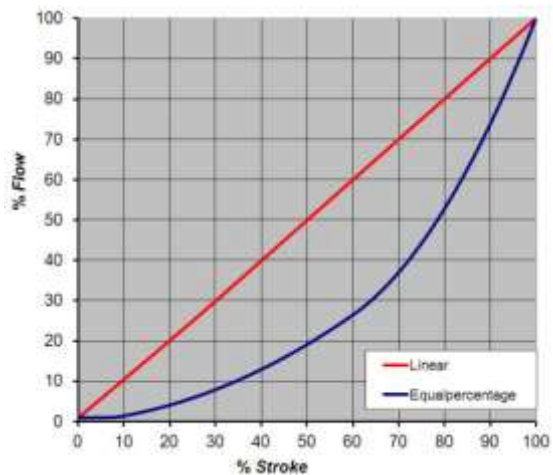
DN	CV (Cv=1.16Kvs)				
	5	3	1,5	0,75	0,45
15	5	3	1,5	0,75	0,45
20	8	5	3	1,5	0,75
25	13	8	5	3	1,5
32	18	13	8	5	
40	26	18	13	8	
50	45	26	18	13	
65	72	45	26	18	
80	105	72	45	26	
100	160	105	72	45	

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Control characteristic



Dimensions (mm) - (valve body with BW connections)

DN	Ød	ØD	A	B	H
15	18	200	38	38	304
20	22	200	38	38	304
25	28	275	52	52	321
32	34	275	56	56	344
40	40	275	64	64	354
50	52	340	72	72	383
65	70	340	86	86	432
80	85	430	109	109	471
100	101.6	430	119	119	487

Dimensions (mm)

DN	M	N	O	P
15	47	43	65	50.7
20	50	44	70	50.7
25	66	59	75	64.7
32	70	63	90	68.7
40	77	70	95	76.7
50	85	78	105	84.7
65	101	93	115	98.7
80	125	116	125	131.7
100	137	126	135	131.7

