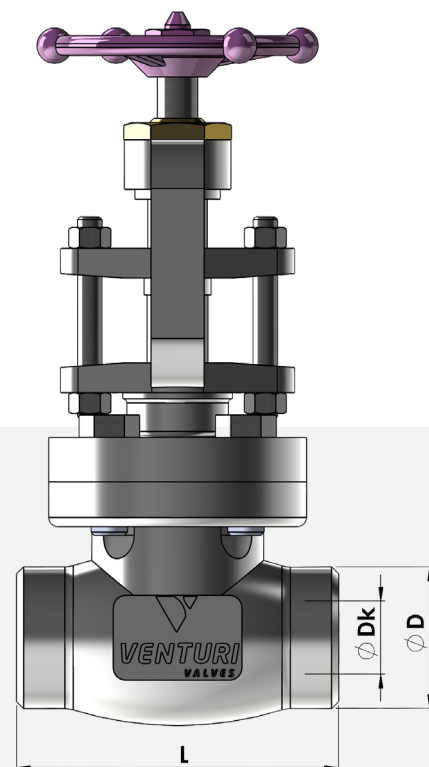
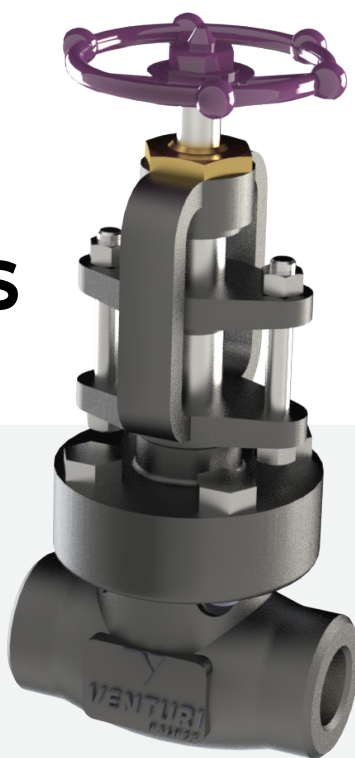


Forged Gate Valves

DN15-DN50

CL150-CL1500



List of Materials

List of Materials											
Item	Part	Material Group acc. to ASME B16.34									
		Application									
		-46°C/+425°C	-46°C/+425°C	-29°C/+595°C	-29°C/+595°C	-29°C/+600°C	-29°C/+600°C	-196°C/+550°C	-196°C/+550°C	-196°C/+540°C	-196°C/+540°C
1	Body	A105	A350 LF2	A182 F12	A182 F22	A182 F5	A182 F91	A182 F304	A182 F316	A182 F321	A182 F347
2	Bonnet	A105	A350 LF2	A182 F12	A182 F22	A182 F5	A182 F91	A182 F304	A182 F316	A182 F321	A182 F347
3	Wedge	A217 CA15		A351 CF8M							
4	Body Welded on with	13Cr or HF						Basic material or Stellite			
5	Wedge Welded on with	13Cr or HF						Basic material or Stellite			
6	Stem	SS 420						SS 304 / SS 316			
7	Stem Nut	SS 420						SS 304 / SS 316			
8	Stud Bolts	A193 B7		A193 B16 / 1.7709				A193 B8 or A193 B8M			
9	Nuts	A194 2H		A194 4 / 1.7709				A194 8 or A194 8M			
10	Bonnet Gasket	spiral - wound									
11	Steam Packing	graphite with corrosion inhibitor									
12	Handwheel	forged carbon steel									

Standarts

Gate Valves according to ASME B16.34	CL150 - CL1500
Socket Welding end SW	ASME B16.11
Butt Welding end BW	ASME B16.25
Threaded end NPT	ASME B1.20.1
Face-to-face (FTF) / End-to-end (ETE)	ASME B16.10 and Manufacturer standard
Flanged ends	ASME B16.5

Dimensions CL800-SW

DN		15	20	25	40	50
[mm]	L	80	90	110	127	134
	Dk	9,6	14	18	30	36,5
	D	32	38	48	64	78

Dimensions CL1500-SW

DN		15	20	25	40	50
[mm]	L	90	110	127	127	210
	Dk	9,6	14	18	30	36,5
	D	32	48	56	78	85

Dimensions CL150

DN		15	20	25	32	40	50
[mm]	L	108	117	127	140	165	178
	D	90	100	110	115	125	150
	Dk	60,3	69,9	79,4	88,9	98,4	120,7
	b	11,6	13,2	14,7	16,3	17,9	19,5
	nxd	4x15,9	4x15,9	4x15,9	4x15,9	4x15,9	4x19,0

Dimensions CL300

DN		15	20	25	32	40	50
[mm]	L	140	152	165	178	190	216
	D	95	115	125	135	155	165
	Dk	66,7	82,6	88,9	98,4	114,3	127
	b	14,7	16,3	17,9	19,5	21,1	22,7
	nxd	4x15,9	4x19,0	4x19,0	4x19,0	4x22,2	8x19,0

Dimensions CL600

DN		15	20	25	32	40	50
[mm]	L	165	190	216	229	241	292
	D	95	115	125	135	155	165
	Dk	66,7	82,6	88,9	98,4	114,3	127
	b	21,3	22,9	24,5	27,7	29,3	32,4
	nxd	4x15,9	4x19,0	4x19,0	4x19,0	4x22,2	8x19,0

Dimensions CL1500

DN		15	20	25	32	40
[mm]	L	216	229	254	279	305
	D	120	130	150	160	180
	Dk	82,6	88,9	101,6	111,1	123,8
	b	29,3	32,4	35,6	35,6	38,8
	nxd	4x22,2	4x22,2	4x25,4	4x25,4	4x28,6