

# Carbon steel gate valves

Metal seated with rising/non-rising stem

VTC line



Art. no: **VT401-DF** (double flange)

Art. no: **VT401-SC** (screwed ends)

Art. no: **VT401-BW** (butt welded)

Art. no: **VT401-SW** (socket ends)



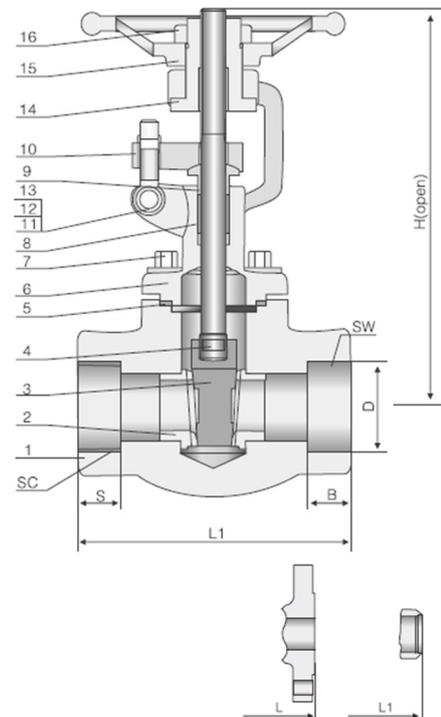
DN 3/8" - 2" (DN 10-50)  
class150 # - class 600#

- yoke integral with bonnet
- renewable seat ring
- bolted/welded bonnet
- bolted bonnet
- flexible guided wedge

## Technical information

<b>Design standard</b>	API 602, ASME B16.34
<b>Ends</b>	ASME B 16.5, ASME B 16.25, ASME B 16.11, ASME B1.20.1
<b>Face to face dimensions</b>	manufacturer standard, ASME 16.10
<b>Pressure test</b>	API 598
<b>Actuating</b>	manual, electrical, pneumatic

No	Part Name	Carbon steel C-Si
1	Body	A105
2	Bonnet	A105
3	Wedge	A182-F6a
4	Stem	A276-410
5	Seat Ring	A276-410
6	Bonnet Gasket <sup>1</sup>	Graphite+304
7	Bonnet Stud	A193-B7
8	Packing	Graphite
9	Gland	A276-410
10	Gland Flange	A105
11	Eyebolt Pin	A276-410
12	Eyebolt	A193-B7
13	Eyebolt Nut	A194-2H
14	Yokesleeve	A276-410
15	Handwheel	Malleable Iron
16	Handwheel nut	Carbon Steel



NOTE:  
1) spiral wound construction

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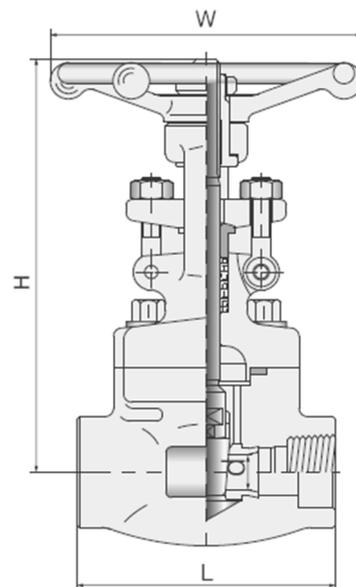
DN 1/4" - 2"  
class 1500# - class 2500#

- yoke integral with bonnet
- renewable seat ring
- bolted/welded bonnet
- bolted bonnet
- flexible guided wedge

## Technical information

<b>Design standard</b>	API 602, ASME B16.34
<b>Ends</b>	ASME B 16.5, ASME B 16.25, ASME B 16.11, ASME B1.20.1
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15	Handwheel	Malleable Iron
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NOTE:  
1) spiral wound construction

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VTC line

DN 3/8" - 2" (DN 10-50) class 150#-class 600#

NPS	DN	Unit	L1	L (Flange ends)			d	SW		SC		H open	D0	wt kg
				150# 300# 600#				D	B	NPT	S			
3/8	10	in	3.12	4	5.5	6.5	0.394	0.693	0.378	3/8	0.54	6	4	4.5/4
3/8	10	mm	79	102	140	165	10	17.6	9.6		13.6	151	100	
1/2	15	in	3.12	4.25	5.5	6.5	0.394	0.858	0.378	1/2	0.535	6	4	5.1/4
1/2	15	mm	79	108	140	165	10	21.8	9.6		13.6	151	100	
3/4	20	in	3.62	4.62	6	7.5	0.531	1.067	0.5	3/4	0.547	6.25	4	8.2/4.3
3/4	20	mm	92	117	152	190	13.5	27.1	12.7		13.9	158	100	
1	25	in	4.38	5	8	8.5	0.709	1.331	0.5	1	0.681	7.25	5	10.5/6.6
1	25	mm	111	127	203	216	18	33.8	12.7		17.3	185	125	
1 1/4	32	in	4.75	5.5	8	9	0.945	1.677	0.5	1 1/4	0.709	9.38	6.25	12.4/9.5
1 1/4	32	mm	120	140	178	229	24	42.6	12.7		18	239	160	
1 1/2	40	in	4.75	6	9	9.5	1.102	1.917	0.5	1 1/2	0.724	9.5	6.25	20.1/11
1 1/2	40	mm	120	152	190	241	28	48.7	12.7		18.4	243	160	
2	50	in	5.5	7	11	11.5	1.437	2.406	0.626	2	0.756	11	7	28/14.5
2	50	mm	140	178	216	292	36.5	61.1	15.9		19.2	279	180	

# Carbon steel gate valves

VTC line

DN 1/4" - 2" class 900# - 1500#

NPS	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L mm	92	111	111	120	120	140	178	180
W mm	100	125	125	160	160	180	200	220
d mm	8	10	13	18	24	29	36	45
wt kg	2.4	4.3	4.4	6	7.2	11.4	16	23