

# Carbon steel globe valve

Bolted bonnet

VTC line



Art. no: VT71-DF (double flange)

Art. no: VT71-BW (butt welded ends)



DN 2" - 16" (DN 50-400)  
class 150#

DN 2"-12" (DN 50-300)  
Class 300# - class 900#

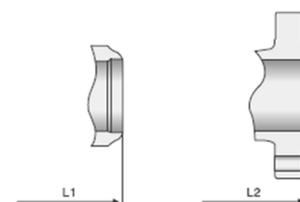
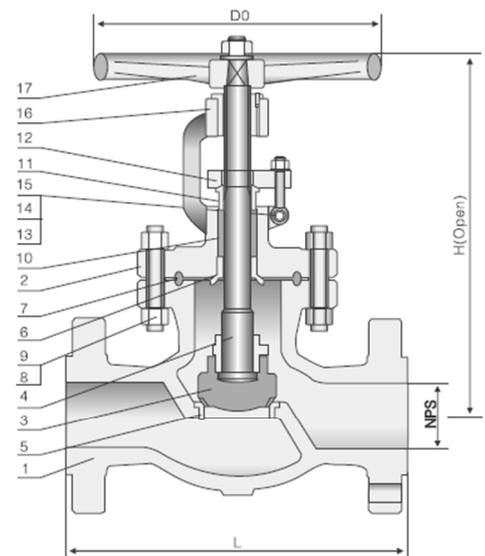
DN 2"-8" (DN 50-200)  
class 1500# - class 2500#

- straight pattern body design
- OS&Y, yoke integral with bonnet
- bolted bonnet
- renewable seat ring
- impact handwheel 10" and above
- flanged or welded ends
- horizontal instalation

## Technical information

<b>Design standard</b>	API 600, EN 13709, ASME B16.34
<b>Flange standard /welded ends</b>	ASME B16.5, ASME B16.25
<b>Face to face dimensions</b>	ASME B16.10
<b>Pressure test</b>	API 598
<b>Actuating</b>	manual, electrical, pneumatic

No	Part Name	Carbon Steel
1	Body	A216-WCB
2	Bonnet	A216-WCB
3	Disc	A105+CR13
4	Stem	A182-F6a
5	Seat Ring	A105+HF
6	Stem Backseat	A276-420
7	Bonnet Gasket	SteelRing
8	Bonnet Stud	A193-B7
9	Bonnet Stud Nut	A194-2H
10	Packing	Graphite
11	Gland	A276-420
12	Gland Flange	A216-WCB
13	Eyebolt Pin	Carbon Steel
14	Eyebolt	Carbon Steel
15	Eyebolt Nut	Carbon Steel
16	Yokesleeve	Aluminum-Bronze
17	Handwheel	Malleable Iron



## Carbon steel globe valves

VTC line

DN 2" - 16" (DN 50-400) class 150#

NPS	DN	L1/L (RF/BW) in	L1/L (RF/BW) mm	L2 (RTJ) in	L2 (RTJ) mm	H (open) in	H (open) mm	Do in	Do mm	wt RF kg	wt BW kg
2	50	8	203	8	203	15	380	7	180	18	14
2 1/2	65	8.5	216	8.5	216	21	535	10	240	30	22
3	80	9.5	241	9.5	241	17.5	445	11	280	41	33
4	100	11.5	292	11.5	292	20.25	515	11	280	28	43
6	150	16	406	16	406	22	560	13	320	86	72
8	200	19.5	495	19.5	495	24.25	615	16	400	110	93
10	250	24.5	622	24.5	622	32	815	16	400	280	245
12	300	27.5	698	27.5	698	35.88	910	18	450	350	345
14	350	31	787	31	787	48.38	1230	20	500	510	625
16	400	36	914	36	914	57	1450	24	600	740	665

## Carbon steel globe valves

VTC line

DN 2" - 12" (DN 50-300) class 300#

NPS	DN	L1/L (RF/BW) in	L1/L (RF/BW) mm	L2 (RTJ) in	L2 (RTJ) mm	H (open) in	H (open) mm	Do in	Do mm	wt RF kg	wt BW kg
2	50	10.5	267	11.12	282	16.75	425	8	200	25	20
2 1/2	65	11.5	292	12.38	333	19	485	10	240	32	22
3	80	12.5	318	13.12	371	19.88	505	11	280	38	27
4	100	14	356	17.21	437	22.5	570	13	320	56	41
6	150	17.5	444	22.5	572	26.5	675	16	400	96	75
8	200	22	559	25.75	654	27.25	692	18	450	150	117
10	250	24.5	622	27.62	638	35	890	20	500	360	310
12	300	28	711	28.62	727	39	992	24	600	550	492

## Carbon steel globe valves

VTC line

DN 2" - 12" (DN 50-300) class 600#

NPS	DN	L1/L (RF/BW) in	L1/L (RF/BW) mm	L2 (RTJ) in	L2 (RTJ) mm	H (open) in	H (open) mm	Do in	Do mm	wt RF kg	wt BW kg
2	50	11.5	292	11.62	295	17.5	445	10	240	35	27
2 1/2	65	13	330	13.12	333	19.75	502	11	280	50	34
3	80	14	356	14.12	359	21	533	13	320	60	42
4	100	17	432	17.12	435	24.5	622	16	400	110	84
6	150	22	559	22.12	562	29.5	750	18	450	230	192
8	200	26	660	26.12	663	32.5	827	20	500	410	350
10	250	31	787	31.12	790	44.88	1140	24	600	770	680
12	300	33	838	33.12	841	53.12	1350	24	600	1140	1030

## Carbon steel globe valves

DN 2" - 8" (DN 50-200) class 900#

VTC line

NPS	DN	L1/L (RF/BW) in	L1/L (RF/BW) mm	L2 (RTJ) in	L2 (RTJ) mm	H (open) in	H (open) mm	Do in	Do mm	wt RF kg	wt BW kg
2	50	14.5	368	14.62	371	22	560	11	280	57	41
2 1/2	65	16.5	419	16.62	422	23.25	590	13	320	82	53
3	80	15	381	15.12	384	25.25	640	16	400	91	58
4	100	18	457	18.12	460	31.88	810	18	450	168	117
6	150	24	610	24.12	613	41.38	1050	20	500	365	238
8	200	29	737	29.12	740	53.5	1360	24	600	665	538
10	250	33	838	33.12	841	61.88	1570	24	600	1250	1060

## Carbon steel globe valves

DN 2" - 8" (DN 50-200) class 1500#

VTC line

NPS	DN	L1/L (RF/BW) in	L1/L (RF/BW) mm	L2 (RTJ) in	L2 (RTJ) mm	H (open) in	H (open) mm	Do in	Do mm	wt RF kg	wt BW kg
2	50	14.5	368	14.62	371	22	560	13	320	68	57
2 1/2	65	16.5	419	16.62	422	23.25	590	16	400	97	81
3	80	18.5	470	18.62	473	29.5	750	18	450	116	95
4	100	21.5	546	21.62	549	36	915	20	500	215	184
6	150	27.75	705	28	711	48.62	1235	24	600	445	347
8	200	32.75	832	33.12	841	65	1650	28	700	795	635

## Carbon steel globe valves

DN 2" - 6" (DN 50-150) class 2500#

VTC line

NPS	DN	L1/L (RF/BW) in	L1/L (RF/BW) mm	L2 (RTJ) in	L2 (RTJ) mm	H (open) in	H (open) mm	Do in	Do mm	wt RF kg	wt BW kg
2	50	17.75	451	17.88	454	25.5	650	16	400	97	72
2 1/2	65	20	508	20.5	414	28.12	715	18	450	138	95
3	80	22.75	578	23	584	32.5	825	20	500	167	108
4	100	26.5	673	26.88	683	47	1195	24	600	305	196
6	150	36	914	36.5	927	70.5	1790	28	700	633	351