

Vtek

ControlsTM

SERIES GB

Globe Valves



Vtek Controls, LLC
420-H Wards Corner Road
Loveland, OH 45140
513-928-3630
Vtekcontrols.com

Features & Benefits / Standards / Applications & Industries

Features & Benefits

Applicable Standards

- Design and Manufacture: BS 1873
- Face to Face and End to End: ASME B16.10
- Flanged End: ASME B16.5
- But Welded End: ASME B16.25
- Test & Inspection: API 598

Design Description

- Straight pattern body design
- Outside screw and yoke (OS & Y)
- Bolted Bonnet (BB)
- Yoke integral with bonnet
- Rising stem and handwheel
- Impact handwheel for NPS 10 and above
- Flanged or butt welded ends
- Available with bevel gear operation

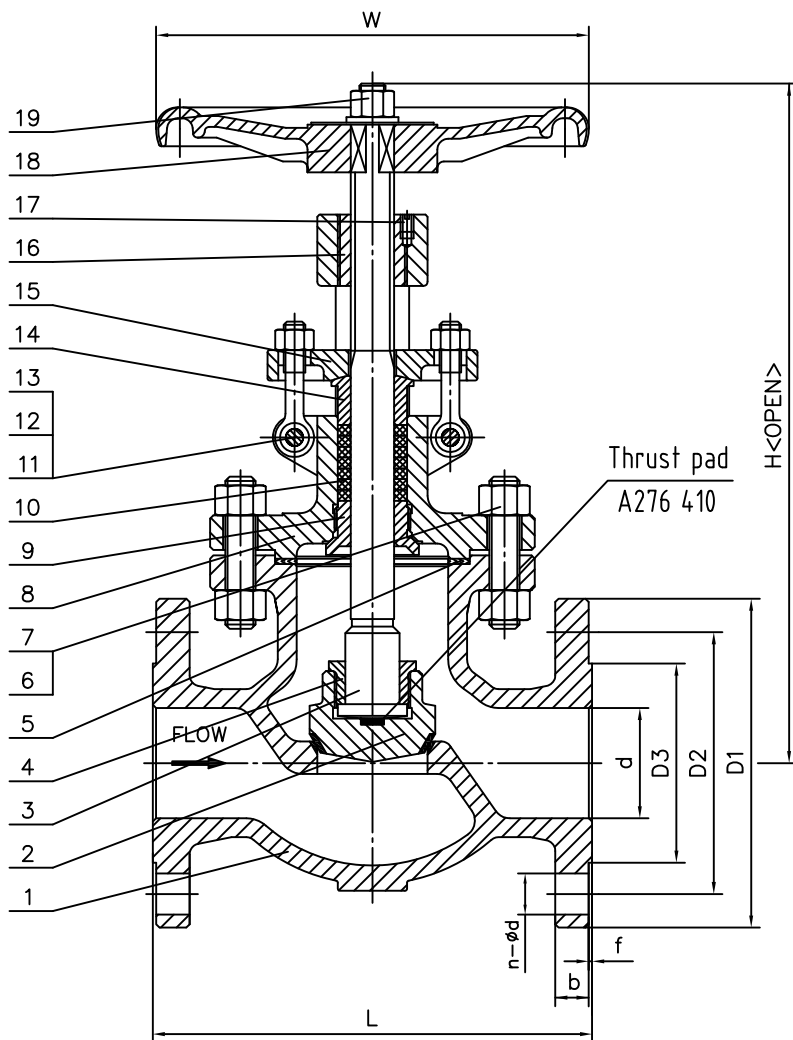
Main Materials

- WCB, LCB, WC6, WC9, CF8, CF8M, CF3, CF3M, A995 4A, A995 5A, A995 6A, Alloy 20, Monel, Inconel, C95800 (Nickel Aluminum Bronze)

Technical

- Oil and gas pipeline including high H₂ S/CO₂ content
- Produced water/brine
- Suction and discharge isolation
- Station isolation
- Meter isolation
- Blowdown
- Low- and high-temperature service
- Fluid and gas well injection

Parts

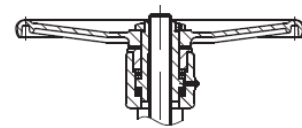
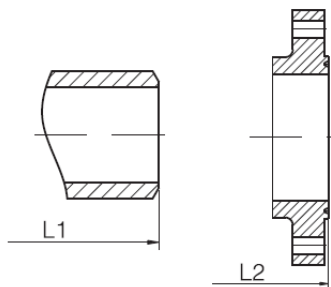
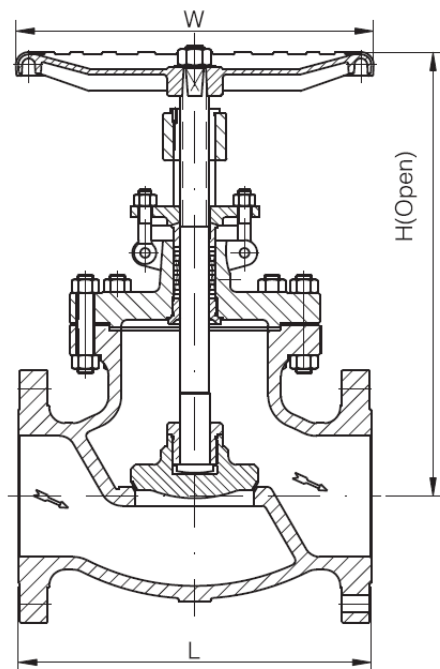


19	Lock Nut	ASTM A194 2H
18	HandWheel	Ductile Iron
17	Grup Screw	Carbon Steel
16	Stem Nut	ASTM A439 D2
15	Gland Fland	ASTM A105
14	Gland	ASTM A182 F6a
13	Pin	AISI 1035
12	Gland Nut	ASTM A194 2H
11	Gland eye bolt	ASTM A193 B7
10	Packing	Flexible Graphite
9	Backseat bushing	ASTM A182 F6a
8	Bonnet	ASTM A216 WCB
7	Nut	ASTM A194 2H
6	Bolt	ASTM A193 B7
5	Gasket	SS304+Flexible Graphite
4	Disc Bonnet	AISI 1035
3	Stem	ASTM A182 F6a
2	Disc	ASTM A105+13Cr
1	Body	ASTM A216 WCB+STL
NO.	Parts Name	Material

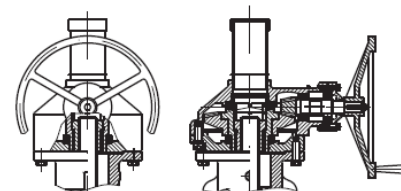
Testing

Nominal Pressure	Shell Test		Water Seal Test		Air Seal Test	
	PSI	LBf/in ₂	PSI	LBf/in ₂	PSI	LBf/in ₂
150	435	430	319	315	58 - 101	60 -100
300	1116	1110	826	815		
600	2219	2220	1638	1630		

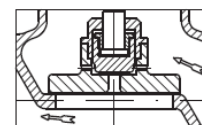
Dimensions- 150 RF



Available With Handwheel Operator



BEARINGS FOR LARGE TORQUE LOADS



DOUBLE DISC FOR HIGH AXIAL STRESS

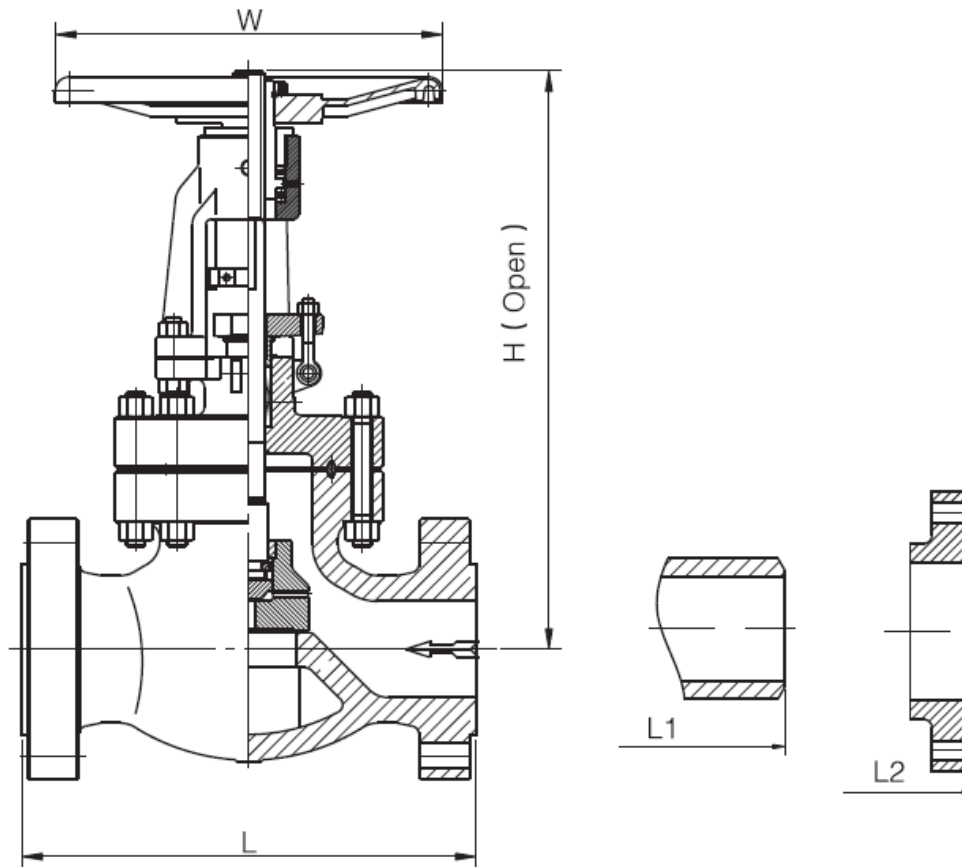
150 LB

Size	in	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16
	mm	40	50	65	80	100	150	200	250	300	350	400
L/L1 (RF/BW)	in	6.5	8.00	8.50	9.50	11.50	16.00	19.50	24.50	27.50	31.00	36.00
	mm	165	203	216	241	292	406	495	622	698	787	914
L2 (RTJ)	in	7.0	8.00	8.50	9.50	11.50	16.00	19.50	24.50	27.50	31.00	36.00
	mm	178	203	216	241	292	406	495	622	698	787	914
H (Open)	in	14.25	15.00	21.00	17.50	20.25	22.00	24.25	32.00	35.88	48.38	57.00
	mm	326	380	535	445	515	560	615	815	910	1230	1450
D0	in	7.88	7	10	11	11	13	13	16	18	20	24
	mm	200	180	240	280	280	320	320	400	450	500	600
Weight (Kg)	RF/RTJ	18	19	30	41	64	86	110	280	380	510	740
	BW	14	16	22	33	43	72	88	245	345	450	665

300 LB

Size	in	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16
	mm	40	50	65	80	100	150	200	250	300	350	400
L/L1 (RF/BW)	in	9	10.50	11.50	12.50	14.00	17.50	22.00	24.50	28.00	—	—
	mm	229	267	292	318	356	444	559	622	711	—	—
L2 (RTJ)	in	9.5	11.12	12.12	13.12	14.62	18.12	22.62	25.12	28.62	—	—
	mm	241	282	308	333	371	460	575	638	727	—	—
H (Open)	in	14.17	16.75	19.00	19.88	22.50	25.25	33.25	35.50	38.62	—	—
	mm	360	425	485	505	570	640	845	900	980	—	—
D0	in	7.88	8	10	11	13	16	18	20	24	—	—
	mm	200	200	240	280	320	400	450	500	600	—	—
Weight (Kg)	RF/RTJ	25	26	32	38	56	96	150	360	550	—	—
	BW	20	21	22	27	41	75	117	310	492	—	—

Dimensions - 600 RF



600 LB

Size	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16
	mm	15	20	25	40	50	65	80	100	150	200	250	300	350	400
L/L1 (RF/BW)	in	6.50	7.50	8.50	9.50	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	-	-
	mm	165	190	216	241	292	330	356	432	559	660	787	838	-	-
L2 (RTJ)	in	-	-	-	-	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.13	-	-
	mm	-	-	-	-	295	333	359	435	562	663	790	841	-	-
H (Open)	in	7.25	7.62	9.00	11.00	17.50	19.75	21.00	24.50	29.50	36.50	44.88	53.12	-	-
	mm	185	195	230	280	445	502	533	622	750	927	1140	1350	-	-
D0	in	4	4	6	8	10	11	13	16	18	20	24	24	-	-
	mm	100	100	140	200	240	280	320	400	450	500	600	600	-	-
WT (Kg)	BW	6	8	14	23	35	50	60	110	230	410	770	1140	-	-
	RF/RTJ	4.8	6.2	9.5	16.5	27	34	42	84	192	350	680	1030	-	-

Ordering

Model

Series	Body Material	Trim Material SS	Flanged End Connections
GB	2CS Carbon Steel	Stainless Steel 22	F150 ANSI 150
	3SS 316 Stainless Steel	Chrome Trim #1	F300 ANSI 300
	304 Stainless Steel	410 trim	F600 ANSI 600
	0LF2 LF2 Low Temp Carbon	#4 Hard 410	
	0LCC LCC Low Temp Carbon	#8 410 Hard faced	
	2WCC Alloy Steel		
	2WC6 Alloy Steel		



Vtek Controls, LLC reserves the right to make revisions to it's products, specifications, literature and related information without notice. Please visit our website for the latest information and updates.

Vtek Controls, LLC
420-H Wards Corner Road
Loveland, OH 45140
513-928-3630
Vtekcontrols.com