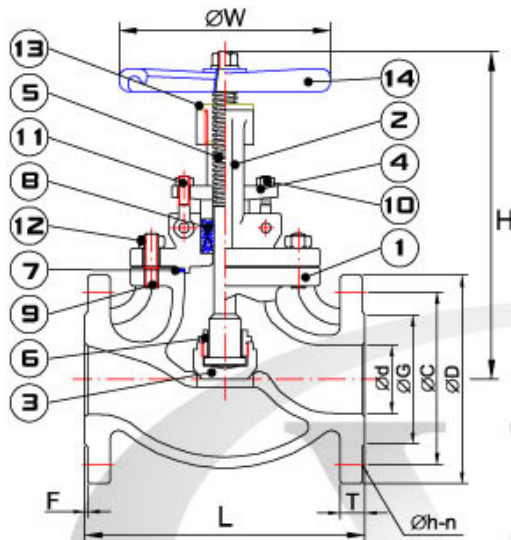




# Flanged End *Globe Valve*

## ANSI CLASS 300lb JIS 20K

(The material and dimension can be improved in certain situations without notice.)



SHELL TEST (water)	SEAT TEST (water)	SHELL TEST (air)
1125 (80kg/cm <sup>2</sup> )	815 (58kg/cm <sup>2</sup> )	80 (6kg/cm <sup>2</sup> )



### Features:

GLOBE VALVES, API 603

Design requirements of ANSI B16.10

Flange dimension : ANSI B16.5 , JIS B2238

Wall thickness : ANSI B16.34

Inspection & Test : API 598

Buttwelding end : ANSI B16.25

Full port design

NO	PARTS NAME	MATERIAL		
		CF8	CF8M	WCB
1	BODY	A351-CF8	A351-CF8M	A216-WCB
2	BONNET	A351-CF8	A351-CF8M	A216-WCB
3	DISC	A351-CF8	A351-CF8M	A351-CF8
4	PACKING GLAND	A351-CF8	A351-CF8M	A216-WCB
5	STEM	A182-F304	A182-F316	A182-F304
6	DISC NUT	A351-CF8	A351-CF8M	A351-CF8
7	GASKET	<input type="checkbox"/> PTFE	<input type="checkbox"/> Graphite	<input type="checkbox"/> Stainless
8	PACKING	<input type="checkbox"/> PTFE	<input type="checkbox"/> Graphite	<input type="checkbox"/> Chesterton
9	BONNET BOLT	A193-B8		
10	GLAND NUT	A194-8		
11	GLAND BOLT	A193-B8		
12	BONNET NUT	A194-8		
13	YOKE SLEEVE	ASTM A439 TYPE D2		
14	HAND WHEEL	A216-WCB		

### DIMENSIONS:

D N	NPS	∅d	L&L1	H	∅W	T	F	∅D	∅C	∅G	∅h	n
25	1"	25	203	250	150	17.5	1.6	124.0	88.9	50.8	19.0	4
40	1 1/2"	38	229	335	200	20.6	1.6	155.5	114.3	73.2	22.3	4
50	2"	50	267	405	200	22.4	1.6	165.1	127.0	92.0	19.0	8
65	2 1/2"	63.5	292	445	250	25.4	1.6	190.5	149.4	104.7	22.3	8
80	3"	75	318	490	300	28.5	1.6	209.6	168.1	127.0	22.3	8
100	4"	100	356	567	300	31.8	1.6	254.0	200.2	157.2	22.3	8
150	6"	150	445	732	400	36.6	1.6	317.5	269.8	215.9	22.3	12
200	8"	200	559	797	500	41.2	1.6	381.0	330.2	269.8	25.4	12
250	10"	250	662	973	600	47.8	1.6	444.5	387.4	323.9	28.5	16
300	12"	300	711	1030	700	50.8	1.6	520.7	450.9	381.0	31.8	16

UNIT:mm

**YO JUH . VALVES**

No.1-6, Nioupuzih, Danshuei Township, Taipei County 251, Taiwan (R.O.C.)

Tel:886-2-26231637-8 Fax:886-2-26266841

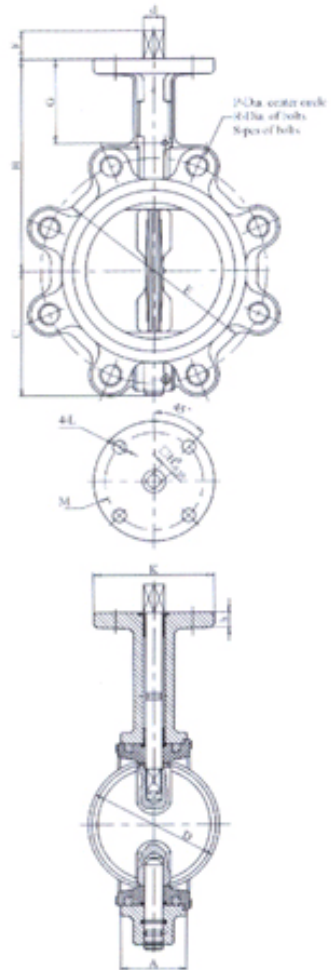
# C SERIES (2" ~ 12" ) LUG BFLY VALVE



## DIMENSION & WEIGHTS

(mm)

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2-1/2	3	4	5	6	8	10	12
A	43	46	46	52	56	56	60	68	78	
B	140	152	159	178	190	203	238	268	306	
C	78	84	95	108	125	141	167	200	235	
D	φ 56	φ 68	φ 80.5	φ 106	φ 131	φ 153	φ 205	φ 256	φ 307	
E	φ 105	φ 124	φ 137	φ 175	φ 197	φ 222	φ 279	φ 340	φ 410	
F	15	15	15	20	20	20	24	29	29	
G	69.64	69.64	69.64	69.64	69.64	69.64	74.45	74.2	74.22	
□H	14	14	14	19	19	19	22	27	27	
d	φ 18.5	φ 18.5	φ 18.5	φ 25.0	φ 25.0	φ 25.0	φ 29.5	φ 36.5	φ 36.5	
K	φ 90	φ 90	φ 90	φ 90	φ 90	φ 90	φ 125	φ 125	φ 125	
L	φ 7.0	φ 7.0	φ 9.0	φ 9.0	φ 9.0	φ 9.0	φ 11.0	φ 11.0	φ 11.0	
M	φ 50	φ 50	φ 70	φ 70	φ 70	φ 70	φ 102	φ 102	φ 102	
h	11.5	11.5	11.5	11.5	11.5	11.5	13.0	13.0	13.0	
P	PN1.0	φ 125	φ 145	φ 160	φ 180	φ 210	φ 240	φ 295	φ 350	φ 400
	PN1.6	φ 125	φ 145	φ 160	φ 180	φ 210	φ 240	φ 295	φ 355	φ 410
S	PN1.0	4	4	8	8	8	8	8	12	12
	PN1.6	4	4	8	8	8	8	12	12	12
R	PN1.0	M16x110	M16x115	M16x115	M16x125	M16x130	M20x130	M20x140	M20x155	M20x170
	PN1.6	M16x110	M16x115	M16x115	M16x125	M16x130	M20x130	M20x140	M24x155	M24x170
WEIGHTS(kg)		3.1	3.9	4.3	7.0	8.3	10.2	16.5	24.2	40.4



NOTE: ① P is made per GB9113.1(PN1.0); ② Q is made per GB9113.1(PN1.6);  
 ③ Dim. K, M, L, H, F could be tailored to fit ISO, DIN standards;  
 ④ R is subjected to standard flange of PN1.6. Please verify dim. R and pcs of bolts in actual application.

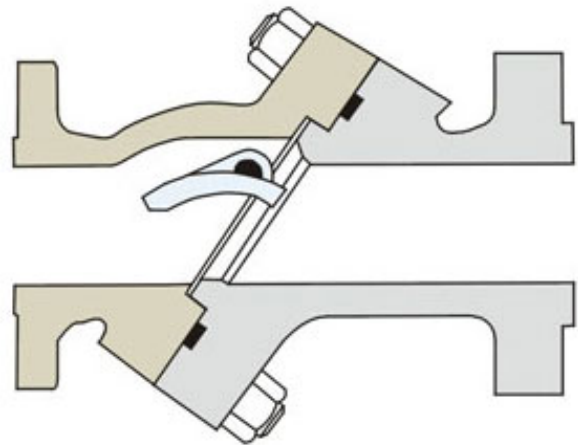


## Material Specification

Name of Parts	Material
Body, Bonnet or Adapter, Trunnion Cover	Carbon Steel: ASTM A216 WCB, ASTM A105 Low Temp. Carbon Steel: ASTM A352 LCB, ASTM A350 LF2 Stainless Steel: ASTM A351 CF8M, ASTM A182 F316
Ball, Stem, Seat Retainer	Carbon Steel + ENP Low Temp. Carbon Steel + ENP ASTM A182 F316, ASTM A351 CF8M ASTM A182 F6a.
Bolts, Studs and Nuts	ASTM A193 Gr. B7 ASTM A194 Gr.2H ASTM A193 Gr. B7M ASTM A194 Gr.2HM ASTM A320 Gr. L7 ASTM A194 Gr.4 ASTM A320 Gr. L7M ASTM A194 Gr.7M ASTM A193 Gr. B8 ASTM A194 Gr.8 ASTM A193 Gr. B8M ASTM A194 Gr.8M
Trunnion	Carbon Steel + ENP Low Temp. Carbon Steel + ENP ASTM A182 F316, ASTM A351 CF8M ASTM A182 F6a.
Trunnion Bearing	Steel with PTFE Lined PTFE
Body Seal, Body Gasket	304/316 Spiral Wound with PTFE Monel Spiral Wound with PTFE Solid TEFLIN Solid Graphite Buna N Viton
Seat, Seat Insert	PTFE R-PTFE Nylon
Other Seals	Buna N Viton PTFE
Thrust Bearing, Thrust Washer	PTFE Nylon
Seat Spring	Stainless Steel 17-7PH Inconel X-750
Injection Fittings	Carbon Steel Stainless Steel AISI 316
Bleed Valve	Carbon Steel Stainless Steel AISI 316
Key and Pins	Carbon Steel Stainless Steel AISI 316
Actuator	Cast Iron Case, Carbon Steel Worm & Segement Gear Cast Steel Case, Carbon Steel Worm & Segement Gear

## Tilting Disc Check Valve Product Line

Size		pressure(class)				
DN	NPS	150	300	600	900	1500
50	2	*	*	*	*	*
65	2-1/2	*	*	*	*	*
80	3	*	*	*	*	*
100	4	*	*	*	*	*
125	5	*	*	*	*	*
150	6	*	*	*	*	*
200	8	*	*	*	*	*
250	10	*	*	*	*	*
300	12	*	*	*	*	*
350	14	*	*	*	*	*
400	16	*	*	*	*	*
450	18	*	*	*	*	*
500	20	*	*	*	*	*
600	24	*	*	*	*	*
650	26	*	*	*	*	*
700	28	*	*	*	*	*
750	30	*	*	*	*	*
900	36	*	*	*	*	*



Type of end connection referred to Appendix I

## Material List of Tilting Disc check Valve

ASTM standard material

No	Part Name	Carbon Steel	Stainless Steel	Alloy Steel
1	Body	A216WCB	A351CF8	A217WCB
2	Body	A216WCB	A351CF8	A217WCB
3	Disc	A351CF8	A351CF8	A351CF8
4	Pin	A182 F6a	A182 F304	A182 F304
5	Stud	A193 B7	A193 B8	A193 B7
6	Nut	A194 2H	A194 8	A194 4
7	Gasket	SS304 Graphite+SS304		
8	Bearing Cap	A105	A182 F304	A182 F304
9	Gasket	Carbon Steel	Stainless Steel	Stainless Steel
10	Stud	A193 B7	A193 B8	A193 B7
11	Nut	A194 2H	A194 8	A194 4
12	Connection pin	ANSI1020	A182 F304	A182 F304

## Technical Specification

Design Standard		API6D, API594				
Pressure-Temperature Rating		ASME B16.34				
Face-Face		API6D, API594				
Flange Ends		ASME B16.5, ASME B16.47				
Inspection&Test		API598, API6D				
Nominal Pressure(CLASS)		150	300	600	900	1500
Test Pressure (MPa)	Shell Test	2.93	7.55	10.0	15.0	37.5
	High Pressure Seal Test	2.07	5.52	7.31	11.03	27.5
	Low Pressure Seal Test	0.6	0.6	0.6	0.6	0.6
Applicable Temperature		-196°C-550°C Different raw material for different working temperature				
Applicable Medium		Water, oil, gas and other causticity medium(Different raw material for different medium)				



