

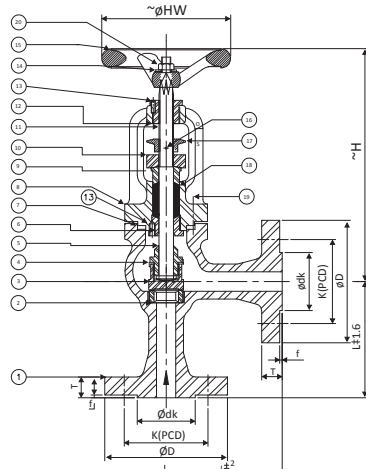
Cast Steel Angle Type Globe Valves BS-5160 / DIN-2401 (PN40)

SPECIFICATIONS :

FlowBiz Brand Angle Globe Valves are used in the fluctuating flow condition & in applications having periods of pulsating flow as we can handle the slugging effect.

FlowBiz Angle Globe Valve turns the flow direction by 90 degrees without using an elbow and one extra pipe weld. The disc opens against the flow.

Design Features Bolted Bonnet, O/S & Yoke Type, Rising Stem, S.S. Trim



STANDARD MATERIAL COMBINATION

P.No.	Description	Materials	Specifications
1.	Body	C. S.	ASTM A216 Gr. WCB
2.	Body Seat Ring	13% Cr. Steel	ASTM A182 Gr. F6a or its Eq.
3.	Disc	S.S. (Up to size 50mm) C.S. (For size 65mm & above)	ASTMA 182 Gr. F6a ASTMA 216 Gr. WCB 13% Cr. Weld deposit
4.	Locking Washer	S. S.	-----
5.	Stem Nut	13% Cr. Steel	ASTMA 182 Gr. F6a or its Eq.
6.	Back Seat Bush	13% Cr. Steel	ASTMA 182 Gr. F6a or its Eq.
7.	Gasket	Spiral wound stainless steel (Type 304) Graphite Filler	
8.	Bonnet	C. S.	ASTMA 216 Gr. WCB
9.	Gland	13% Cr. Steel	ASTMA 182 Gr. F6a or its Eq.
10.	Gland Flange	C. S.	ASTM A216 Gr. WCB
11.	Stem	13% Cr. Steel	ASTMA 182 Gr. F6a / ASTMA 276 Type 410 or its Eq.
12.	Yoke Bush	AL. Bronze/Nodular Iron	BS 1400-85 AB 2 C/BS 2874-84 CA 104/ ASTMA 439-83 Gr.D2
13.	Grub Screw	Steel	-----
14.	Washer	Steel	-----
15.	Handwheel	C.S./SG Iron M.I.	ASTMA 216 Gr. WCB/BS 2789 Gr. 32/7/IS 2108-77 Gr. BM 290
16.	Washer	13% Cr. Steel	ASTMA 182 Gr. F6a or its Eq.
17.	Indicator	Gun Metal	BS 1400 Gr. LG2C
18.	Gland Packing	Braided graphoil containing corrosion inhibitor suitable for Max. Design Temp.538° C	
19.	Studs & Nuts	Alloy steel & High Tensile Steel	ASTM A193 Gr.B7 & ASTMA 194 Gr. 2H
20.	Nut for Handwheel	Steel	-----

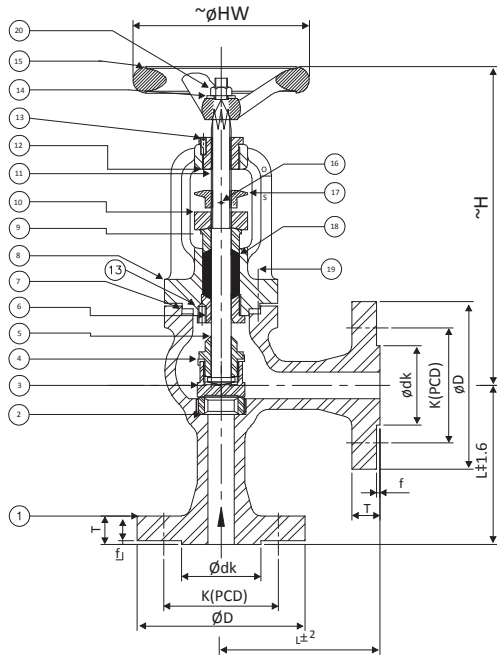
Note : The above data is subject to change without notice due to our continuing product improvement program.

Valves can be supplied in other MOC's on request :

SS (ASTM A 351 Gr.CF3MN / CF8C / CN7M), DSS (ASTM A 995 Gr.4A / 5A/ 3A/ 6A)



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All Dimensions are in mm

Pressure/Temperature Ratings to BS 5160/DIN 2401

Normal Pressure	Max. Permissible Gauge Working Pressure °C						
	10 To 120 °C	200 °C	250 °C	300 °C	350 °C	400 °C	425 °C
PN 40	40 bar	40 bar	38 bar	33 bar	28 bar	23 bar	20 bar

Dimensional Data

DN NPS	15 1/2"	20 3/4"	25 1"	32 1 1/4"	40 1 1/2"	50 2"	65 2 1/2"	80 3"	100 4"	125 5"	150 6"	200 8"	250 10"	300 12"
L	90	95	100	105	115	125	145	155	175	200	225	275	325	375
~H(Close)	145	145	145	175	190	225	250	280	330	365	412	418	575	590
~H(Open)	149	150	151	183	200	238	266	300	355	396	450	468	638	665
HWø	120	120	120	120	140	140	180	180	235	260	320	400	400	400
Dø	95	105	115	140	150	165	185	200	235	270	300	375	450	815
T	16	18	18	18	18	20	22	24	24	26	28	34	38	42
dkø	45	58	68	78	88	102	122	138	162	188	218	285	345	410
F	2	2	2	2	3	3	3	3	3	3	3	3	3	4
k	65	75	85	100	110	125	145	160	190	220	250	320	385	450
n	4	4	4	4	4	4	8	8	8	8	8	12	12	16
dø	14	14	14	18	18	18	18	18	22	26	26	30	33	33
Aprox. Wt.Kgs	5.6	7.2	8.75	12	15.2	17.9	29.35	40.9	59.35	92.7	139.5	225	321	403

Test Pressures

Nominal Pressure Rating	Shell Test (Hydrostatic)	Seat Test (Hydrostatic & 6.9 Bar (AIR))
PN 40	60 bar	40 bar

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