

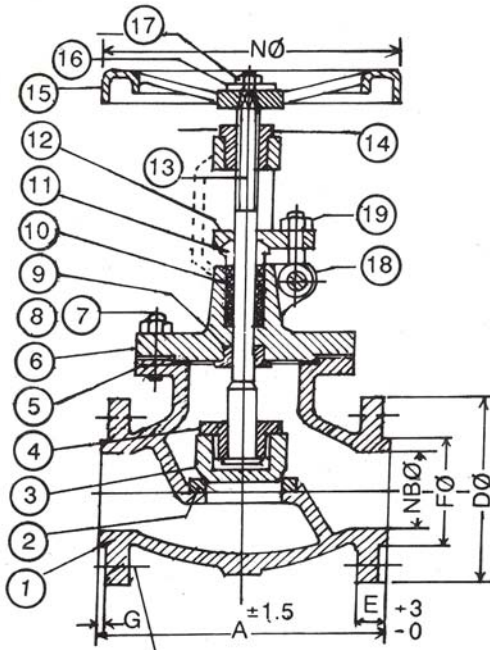
# AMCO INDUSTRIAL VALVES



Globe Valve Class - 150

DATE: 13 - 06 - 07

REF: DRG. NO GLV - 150



'H' Nos 'K' Ø Holes On  
'M' P. C. D Drilled Off Centre  
Equispaced

No	Part Name	Qty	Material Specification
1	Body	1	ATM A 216 Gr. WCB ASTM A 351 Gr. CF 8 / CF 8M / CN 7M
2	Seat Ring	1	Carbon Steel with 13% Cr. for alloy steel integral seat.
3	Disc	1	AISI 410 / S. S. 304 / S. S. 316 / A 20
4	Spindle Nut	1	AISI 410 / S. S. 304 / S. S. 316 / A 20
5	Body Seal	1	S. S. Spiral Wound
6	Bonnet	1	ASTM A 216 Gr. WCB ASTM A 351 Gr. CF 8 / CF 8M / CN 7M
7	Body Stud	As Req.	Carbon Steel ASTM A 193 B7
8	Body Stud's Nut	As Req.	Carbon Steel ASTM A 194 2H
9	Back Seat Bush	1	AISI 410 Integral Seat for Alloy Steel
10	Gland Packing	7 min	Asbestos LUB
11	Gland	1	AISI 410 / 304 / 316 / A 20
12	Gland Flange	1	Carbon Steel / S. S. 304
13	Spindle	1	AISI 410 / 304 / 316 / A 20
14	Yoke	1	AL Bronze / Ni Resist
15	Hand Wheel	1	Cast Iron / Malleable Iron
16	Washer	1	Carbon Steel
17	Hand Wheel Nut	1	Carbon Steel
18	Cross Bolt Nut	2/2	Carbon Steel
19	Gland Bolt Nut	2/2	Carbon Steel

### Primary Service Rating

Class	Pressure	Temperature
150	150 PSIG / 21 Kg / cm <sup>2</sup> (g)	500 °F (260 °C)

Applicable Class 150 Standards : Steel Valves - ANSI B16.34 -1977 Standard Class  
Face to Face ANSI B16.10, End. Flanges ANSI B16.5  
Manufacturing Standards - BS - 1873. Testing Standards API / 598

	NB	15	20	25	32	40	50	65	80	100	150	200	250	300
A		108	118	127	104	165	203	216	241	292	406	495	622	698
D		89	98	108	117	127	152	178	190	229	279	343	406	483
E		9.5	11.1	12.7	14.3	14	16	17	19	24	25	28	30	32
F		35	43	51	64	73	92	105	127	157	216	270	324	381
G		1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
H		4	4	4	4	4	4	4	4	8	8	8	12	12
K		15.9	15.9	15.9	15.9	16	19	19	19	22	22	25	25	28
M		60.3	69.8	79.4	88.9	98	121	140	152	190	241	298	362	432
N		90	90	90	90	152	203	203	254	305	356	356	408	457
Wgt. Kg														
Qty.														
Tag No.														

Code	WCB
Material	ASTM A 216
Specification	WCB
Test Pressure	
Shell (Hydrostatic)	30 Kg / cm <sup>2</sup>
Seat (Hydrostatic)	21 Kg / cm <sup>2</sup>
Seat (Air)	5.5 Kg / cm <sup>2</sup>

(All Dimensions in mm)

Customer \_\_\_\_\_  
Order No: \_\_\_\_\_  
Job / Project \_\_\_\_\_

Manufactured By : **AMCO INDUSTRIAL VALVES**, ROYAPURAM, CHENNAI - 600 013, INDIA.

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REV

For Record

For Approval

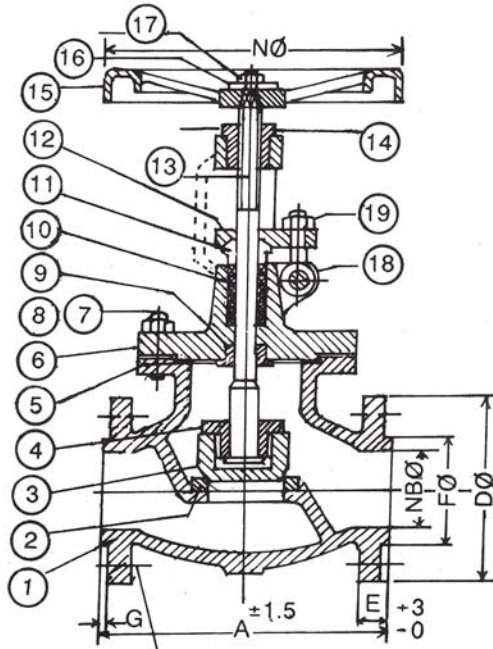
# AMCO INDUSTRIAL VALVES



Globe Valve Class - 300

DATE: 13 - 06 - 07

REF: DRG. NO GLV - 300



'H' Nos 'K' Ø Holes On  
'M' P.C.D Drilled Off Centre  
Equispaced

No	Part Name	Qty	Material Specification
1	Body	1	ASTM A 216 Gr. WCB ASTM A 351 Gr. CF 8 / CF 8M / CN 7M
2	Seat Ring	1	Carbon Steel with 13% Cr. for alloy steel integral seat.
3	Disc	1	AISI 410 / S. S. 304 / S. S. 316 / A 20
4	Spindle Nut	1	AISI 410 / S. S. 304 / S. S. 316 / A 20
5	Body Seal	1	S. S. Spiral Wound
6	Bonnet	1	ASTM A 216 Gr. WCB ASTM A 351 Gr. CF 8 / CF 8M / CN 7M
7	Body Stud	As Req.	Carbon Steel ASTM A 193 B7
8	Body Stud's Nut	As Req.	Carbon Steel ASTM A 194 2H
9	Back Seat Bush	1	AISI 410 Integral Seat for Alloy Steel
10	Gland Packing	7 min	Asbestos LUB
11	Gland	1	AISI 410 / 304 / 316 / A 20
12	Gland Flange	1	Carbon Steel / S. S. 304
13	Spindle	1	AISI 410 / 304 / 316 / A 20
14	Yoke Nut	1	AL Bronze / Ni Resist
15	Hand Wheel	1	Cast Iron / Malleable Iron
16	Washer	1	Carbon Steel
17	Hand Wheel Nut	1	Carbon Steel
18	Cross Bolt Nut	2/2	Carbon Steel
19	Gland Bolt Nut	2/2	Carbon Steel

### Primary Service Rating

Class	Pressure	Temperature
300	300 PSIG / 53 Kg / cm <sup>2</sup> (g)	850 °F (454 °C)

Applicable Class 300 Standards : Steel Valves - ANSI B16.34 -1977 Standard Class  
Face to Face ANSI B16.10, End. Flanges ANSI B16.5  
Manufacturing Standards - BS - 1873. Testing Standards API / 598

NB	15	20	25	32	40	50	65	80	100	150	200	250	300
A	152	178	203	216	299	267	292	318	356	444	559	622	711
D	95	117	124	133	155	165	190	209	254	317	381	444	521
E	12.7	14.3	16.0	17.4	21	22	25	28	32	36	40	47	51
F	35	43	51	64	73	92	105	127	157	216	270	324	381
G	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
H	4	4	4	4	4	8	8	8	8	12	12	16	16
K	15.9	19.0	19.0	19.0	22	19	22	22	22	22	25	28	32
M	66.7	82.6	88.9	98.4	114	127	149	168	200	270	380	387	451
N	90	90	90	90	178	203	229	254	305	354	408	457	508
Wgt. Kg													
Qty.													
Tag No.													

Code	WCB
Material	ASTM A 216
Specification	WCB
Test Pressure	
Shell (Hydrostatic)	77 Kg / cm <sup>2</sup>
Seat (Hydrostatic)	53 Kg / cm <sup>2</sup>
Seat (Air)	5.5 Kg / cm <sup>2</sup>

(All Dimensions in mm)

Customer \_\_\_\_\_  
Order No: \_\_\_\_\_  
Job / Project \_\_\_\_\_

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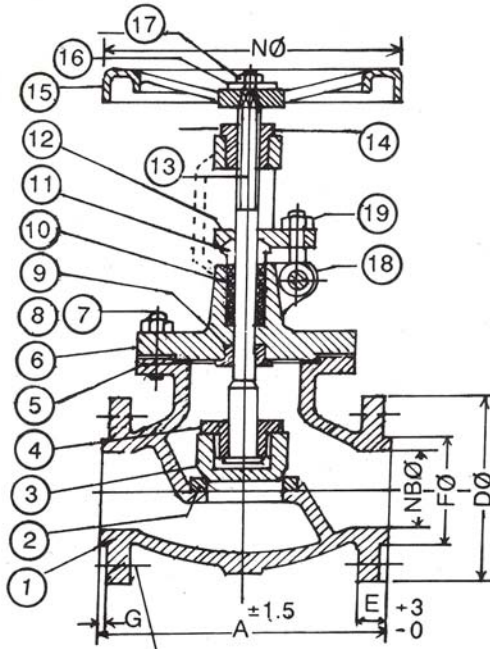
# AMCO INDUSTRIAL VALVES



Globe Valve Class - 600

DATE: 13 - 06 - 07

REF: DRG. NO GLV - 600



'H' Nos 'K' Ø Holes On  
'M' P.C.D Drilled Off Centre  
Equispaced

No	Part Name	Qty	Material Specification
1	Body	1	ATM A 216 Gr. WCB ASTM A 351 Gr. CF 8 / CF 8M / CN 7M
2	Seat Ring	1	Carbon Steel with 13% Cr. for alloy steel integral seat.
3	Disc	1	AISI 410 / S. S. 304 / S. S. 316 / A 20
4	Spindle Nut	1	AISI 410 / S. S. 304 / S. S. 316 / A 20
5	Body Seal	1	S. S. Spiral Wound
6	Bonnet	1	ASTM A 216 Gr. WCB ASTM A 351 Gr. CF 8 / CF 8M / CN 7M
7	Body Stud	As Req.	Carbon Steel ASTM A 193 B7
8	Body Stud's Nut	As Req.	Carbon Steel ASTM A 194 2H
9	Back Seat Bush	1	AISI 410 Integral Seat for Alloy Steel
10	Gland Packing	7 min	Asbestos LUB
11	Gland	1	AISI 410 / 304 / 316 / A 20
12	Gland Flange	1	Carbon Steel / S. S. 304
13	Spindle	1	AISI 410 / 304 / 316 / A 20
14	Yoke Nut	1	AL Bronze / Ni Resist
15	Hand Wheel	1	Cast Iron / Malleable Iron
16	Washer	1	Carbon Steel
17	Hand Wheel Nut	1	Carbon Steel
18	Cross Bolt Nut	2/2	Carbon Steel
19	Gland Bolt Nut	2/2	Carbon Steel

Primary Service Rating

Class	Pressure	Temperaure
600	600 PSIG / 105 Kg / cm <sup>2</sup> (g)	850 °F (450 °C)

Applicable Class 600 Standards : Steel Valves - ANSI B16.34 - 1977 Standard Class  
Face to Face ANSI B16.10, End. Flanges ANSI B16.5  
Manufacturing Standards - BS - 1873. Testing Standards API / 598

	40	50	65	80	100	150	200	250	300
NB									
A	241	292	330	356	432	559	660	787	838
D	156	165	190	210	273	356	419	508	559
E	22	25	28	32	38	48	56	64	67
F	73	92	105	127	157	216	270	324	381
G	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
H	4	8	8	8	8	12	12	16	20
K	22	19	22	22	25	28	32	35	35
M	114	127	149	168	216	292	349	432	489
N	178	203	254	254	305	457	508	610	762
Wgt. Kg									
Qty.									
Tag No.									

Code	WCB
Material	ASTM A 216
Specification	WCB
Test Pressure	
Shell (Hydrostatic)	153 Kg / cm <sup>2</sup>
Seat (Hydrostatic)	105 Kg / cm <sup>2</sup>
Seat (Air)	5.5 Kg / cm <sup>2</sup>

(All Dimensions in mm)

Customer \_\_\_\_\_  
Order No: \_\_\_\_\_  
Job / Project \_\_\_\_\_

Manufactured By : **AMCO INDUSTRIAL VALVES**, ROYAPURAM, CHENNAI - 600 013, INDIA.

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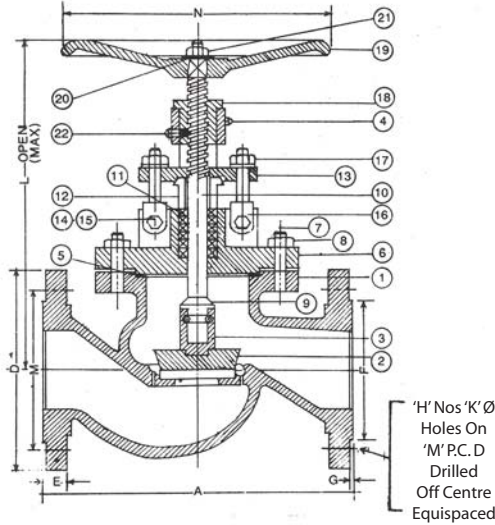
# AMCO INDUSTRIAL VALVES



Globe Valve DIN - ND - 40

DATE: 13 - 06 - 07

REF: DRG. NO GLV - 40



Manufacturing Standard BS. 5160 / DIN 2401 PN - 40  
Flanges DIN 2545 - PN 40 - Drilling (Optional)

Primary Service Rating & Temperature

ND 40	40 Kg / cm <sup>2</sup>	850 °F (400 °C)
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No	Part Name	Qty	Material
22	Grub Screw	1	Carbon Steel
21	Handwheel Nut	1	Carbon Steel
20	Washer	1	Carbon Steel
19	Handwheel	1	Cast Iron / Malleable
18	Yoke Nut	1	AL. Bronze Ni - Resist
17	Eye Bolt Nut	2	Carbon Steel
16	Eye Bolt	2	Carbon Steel
15	Cross Bolt Nut	2	Carbon Steel
14	Cross Bolt	2	Carbon Steel
13	Gland Flange	1	Carbon Steel / S. S. 304
12	Gland	1	AISI 410 /304 /316
11	Gland Packing	7 min	Asbestos Lub / As Req.
10	Spindle	1	AISI 410 /304 /316 /A - 20
9	Back Seat Bush	1	AISI 410 /304 /316 /A - 20
8	Stud Nuts	Req	ASTM A 194 Gr. 2H
7	Studs	Req	ASTM A 193 Gr. B7
6	Bonnet	1	ASTM A216 Gr. WCB ASTM A351 Gr. CF 8 / CF 8M / CN 7M
5	Gasket	1	S. S. Spiral Wound / As Req.
4	Grease Nipple	1	Commercial
3	Disc Nut	1	AISI 410 /304 /316 / A - 20
2	Disc	1	AISI 410 /304 /316 / A - 20
1	Body	1	ASTM A216 Gr. WCB ASTM A351 Gr. CF 8 / CF 8M / CN 7M

	15	20	25	32	40	50	65	80	100	125	150	200	250	300
NB														
A	130	150	160	180	200	230	290	310	350	400	480	600	730	850
D	95	105	115	140	150	165	185	200	235	270	300	375	450	515
E	16	18	18	18	18	20	22	24	24	26	28	34	38	42
F	45	58	68	78	88	102	122	138	162	188	218	285	345	410
G	2	2	2	2	3	3	3	3	3	3	3	3	3	4
H	4	4	4	4	4	4	8	8	8	8	8	12	12	16
K	14	14	14	18	18	18	18	18	23	27	27	30	33	33
M	65	75	85	100	125	125	145	160	190	220	250	320	385	450
N	120	140	140	160	160	160	200	200	250	300	300	400	475	575
Wgt. Kg														
Qty.														
Tag No.														

Code	WCB
Material	ASTM A 216
Specification	WCB
Test Pressure	
Shell (Hydrostatic)	60 Kg / cm <sup>2</sup>
Seat (Hydrostatic)	40 Kg / cm <sup>2</sup>
Seat (Air)	5.5 Kg / cm <sup>2</sup>

(All Dimensions in mm)

Customer \_\_\_\_\_

Order No: \_\_\_\_\_

Job / Project \_\_\_\_\_

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