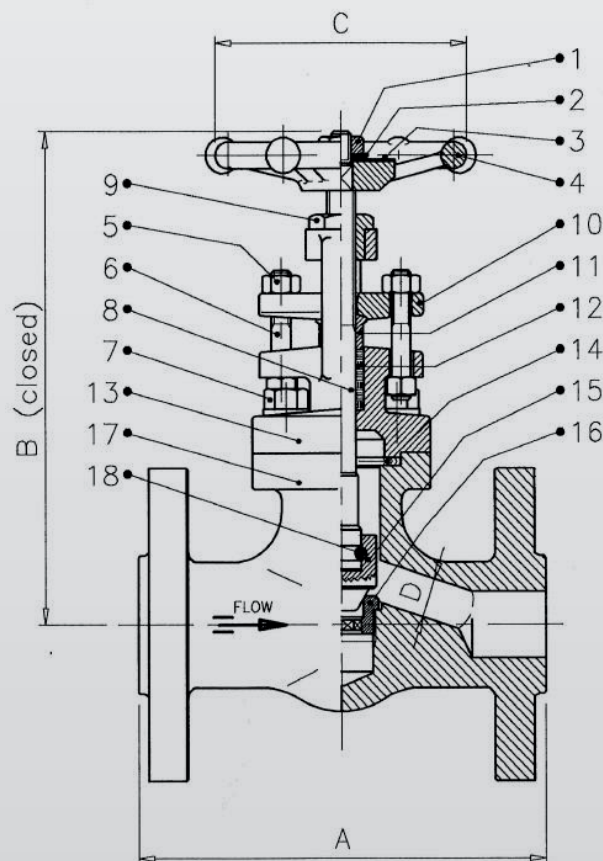


FORGED GLOBE VALVES FLANGED ENDS



PN 40 / PN 100

BASIC DESIGN STANDARDS

Basic Design	DIN 3352 / 3840
Flanges	DIN 2501
Rating	DIN 2401
Face To Face	DIN 3202I
Bore	Full

TEST PRESSURE TO API 598 bar

Rating	Shell (water)	Seat (water)	Seat (air)
PN40	60	48	6.0
PN100	150	120	6.0

BILL OF MATERIALS STANDARD ACCORDING TO ASTM

No	Part Name	Carbon Steel	Stainless Steel
		C22.8 / (1.4021) HF	1.4401/1.4401
01	Handwheel Nut	Carbon Steel	A194 Gr.8
02	Washer	Carbon Steel	A194 Gr.8
03	Name Plate	Aluminium	INOX
04	Handwheel	ASTM A105N	Carbon Steel + Rislant
05	Gland Nuts	EN 10269 (1.7709) 21CrMoV 5.7	A2-70
06	Gland Studs	EN 10269 (1.7709) 21CrMoV 5.7	A2-70
07	Bolts B/B	EN 10269 (1.7709) 21CrMoV 5.7	A2-70
08	Stem	EN 10088-3 (1.4021) X20Cr13	X5CrNiMo17-12-2 1.4401
09	Yoke Sleeve	AISI 416	AISI 416
10	Gland Flange	ASTM A105N	ASTM A316
11	Packing Gland	A479 TP316	A479 TP316L
12*	Packing	GTJ+TE. GRAPHITE	Graphoil
13	Bonnet	DIN 17243 (1.0460) C22.8 - P250GH	X5CrNiMo17-12-2 1.4401
14*	Gasket B/B	F316 + Graphoil	F316 + Graphoil
15	Disc	10088-3 (1.4021) X20Cr13 + ST.6	X5CrNiMo17-12-2 1.4401
16	Seat Ring	10088-3 (1.4021) X20Cr13 + ST.6	X5CrNiMo17-12-2 1.4401
17	Body	DIN 17243 (1.0460) C22.8 - P250GH	X5CrNiMo17-12-2 1.4401
18	Wire Joint	ASTM A182 F316L	X5CrNiMo17-12-2 1.4401

* Recommended Spare Parts

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FORGED GLOBE VALVES FLANGED ENDS

SIZE (Full Bore)		PN40 RF - DIMENSION in mm				
Inches	mm	A (RF/BW/RJ)	B	C	D	Kg (HANDWHEEL)
1/2"	15	130	170	100	15	4.5
3/4"	20	150	192	120	20	5.5
1"	25	160	225	120	25	7.5
1-1/2"	40	200	285	170	40	13
2"	50	230	310	170	50	17

SIZE (Full Bore)		PN100 RF - DIMENSION in mm				
Inches	mm	A (RF/BW/RJ)	B	C	D	Kg (HANDWHEEL)
1/2"	15	210	195	120	15	6
3/4"	20	230	258	140	20	8.7
1"	25	230	262	140	25	10.5
1-1/2"	40	260	305	170	40	15
2"	50	300	325	170	50	23

ANSI CLASS PN40 / PN100		PRESSURE - TEMPERATURE RATINGS TO ANSI B16.34			
Temperature ° C		WORKING PRESSURE (bar.g)			
		DIN 17243 (1.0460) C22.8 - P250GH (a)		X5CrNiMo17-12-2 1.4401 (c)	
		PN40	PN100	PN40	PN100
-29 to 38		39.0	102.1	37.3	99.3
93		37.2	93.1	36.4	85.5
149		34.1	90.7	33.8	77.2
204		31.7	87.6	31.3	70.7
260		28.4	82.8	29.3	65.9
316		26.0	75.5	27.6	62.1
343		23.5	74.1	25.8	61.4
371		21.9	73.4	24.9	60.0
399		21.6	69.7	24.5	59.0
427		21.1	56.9	24.0	58.3
454		-	-	23.8	57.6
482		-	-	22.6	57.2
510		-	-	21.5	53.4
538		-	-	19.7	48.3

(a) Permissible, but not recommended for prolonged usage above 427 °C

(b) Permissible, but not recommended for prolonged usage above 594 °C

(c) For welding end valves only: Flanged end ratings terminate at 538°C

MADE IN ITALY



CE PED 2014/68/EU

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