

# FORGED STEEL GLOBE VALVES, BONNETLESS - FIG 01.1

ASME CLASS 1500 / 2500 (4500)  
 API CLASS 6.000 PSI (10.000 PSI)  
 DIN CLASS PN 160 - PN 640

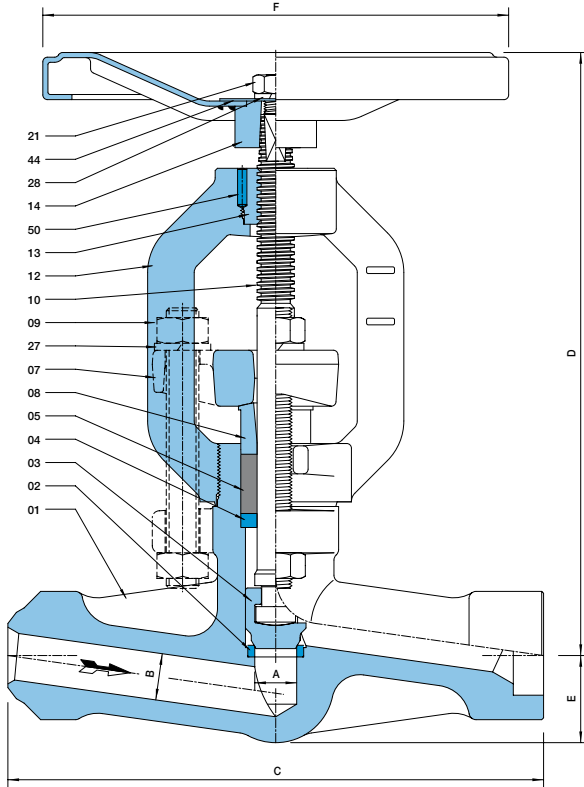


## STANDARDS

DESIGN ASME B16.34 - BS-EN 15761 - DIN 3840 - EN 12516  
 BUTTWELDING ENDS ASME B16.25 - DIN-EN 9692-1 - EN 12627  
 SOCKET WELDING ENDS ASME B16.11 - EN 12760  
 OTHER END CONNECTIONS API OR NPT FEMALE THREADS / CLAMP CONNECTORS / FLANGED RTJ OR RF  
 END-TO-END DIMENSIONS MANUFACTURER'S STANDARD (FLANGED VALVES ACC. THE RELEVANT STANDARD)  
 PRESSURE TESTING ASME B16.34 - API 598 - DIN 3230 - EN 12266

## MATERIALS

01 BODY	VARIOUS (SEE BELOW)
02 SEAT	STELLITE
03 DISC	STELLITE
04 LOOSE BACKSEAT	AISI 304
05 STEM PACKING	GRAPHITE
07 GLAND FLANGE	CARBON STEEL
08 GLAND	AISI 304
09 GLAND BOLT / NUT	ASTM-A193-B7 / ASTM-A194-2H
10 STEM	17 CR (SEE BELOW)
12 YOKE	CARBON STEEL
13 YOKE SLEEVE	ALUMINIUM-BRONZE
14 HANDWHEEL	CARBON STEEL
21 NUT	STEEL ZINC PLATED
27 SPRINGWASHER	STEEL ZINC PLATED
28 SPRINGWASHER	STEEL ZINC PLATED
44 NAMEPLATE	ALUMINIUM
50 PIN	HARDENED STEEL



## FEATURES

<b>DESIGN</b>	CONSTRUCTION	INTEGRAL BONNET (BONNETLESS) AND LOOSE BACKSEAT
	SEAT RING	HIGH TEMPERATURE VACUUM BRAZED IN SEAT RING WITH THICKNESS > 5 MM (1/5")
	OPTIONS	SCREW-DOWN NON-RETURN VALVE AND/OR ANGLE PATTERN WITH 75 MM (≤ 1") / 125 MM (≤ 2") CENTRE-TO-END
	OPERATION	OPTIONAL NON-ROTATING ONE-PIECE STEM/DISC FOR ELECTRIC OR PNEUMATIC ACTUATOR (FIG 02.1)
	ACCESSORIES	LIMIT SWITCHES - LOCKING DEVICE - POSITION INDICATOR - LIVE LOADED GLAND (OTHERS ON REQUEST)
<b>MATERIALS</b>	BODY	SA105N (1.0460) - SA182-F12 (13CrMo4.5) - SA182-F22 (10CrMo9.10) - SA182-F91 (1.4903) (OTHERS ON REQUEST)
	TRIM	17CR (1.4122) / STELLITE - F316 (1.4401) / STELLITE - 431 (1.4057) (OTHERS ON REQUEST)
	STEM PACKING	GRAPHITE WITH INTEGRAL OR STAINLESS STEEL REINFORCED ANTI EXTRUSION RINGS

## MAIN DIMENSIONS IN MM (INCH)

NOM. SIZE	A	B	C	D	E	F	Cv	WEIGHT KG
10 (3/8")	11 (0.43)	7 (0.28)	210 (8.27)	220 (8.66)	25 (0.98)	150 (5.91)	1.3	3.9 (8.6 LB)
15 (1/2")	11 (0.43)	11 (0.43)	210 (8.27)	220 (8.66)	25 (0.98)	150 (5.91)	2.5	3.8 (8.4 LB)
20 (3/4")	18 (0.71)	16 (0.63)	230 (9.06)	278 (10.94)	38 (1.50)	200 (7.87)	6.2	7.4 (16.3 LB)
25 (1")	18 (0.71)	20 (0.79)	230 (9.06)	278 (10.94)	38 (1.50)	200 (7.87)	6.8	7.2 (15.9 LB)
32 (1-1/4")	36 (1.42)	30 (1.18)	300 (11.81)	450 (17.72)	72 (2.83)	350 (13.78)	23.6	31.0 (68.3 LB)
40 (1-1/2")	36 (1.42)	30 (1.18)	300 (11.81)	450 (17.72)	72 (2.83)	350 (13.78)	23.6	31.0 (68.3 LB)
50 (2")	36 (1.42)	40 (1.57)	300 (11.81)	450 (17.72)	72 (2.83)	350 (13.78)	31.0	29.5 (65.0 LB)

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