

FORGED STEEL GATE VALVES, PRESSURE SEAL BONNET – FIG 06.6

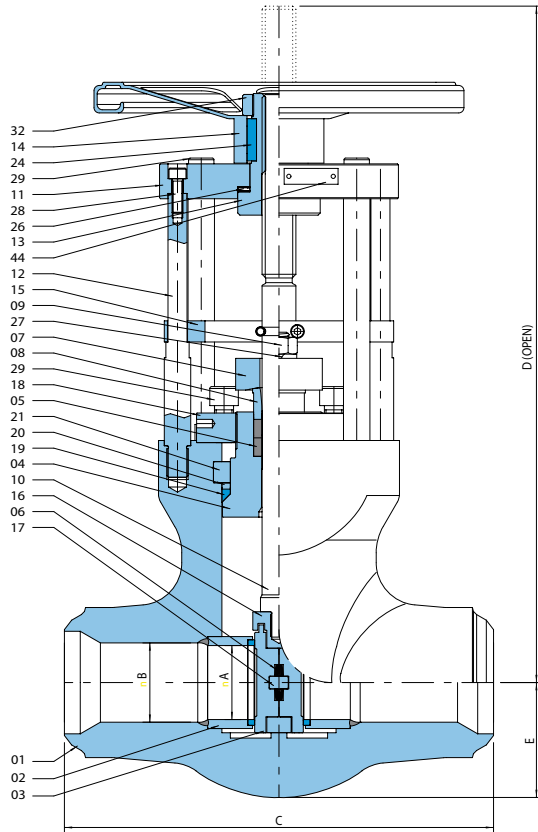
ASME CLASS 1500 / 2500 (4500)
EN RATING PN160 - PN500 (B760)



STANDARDS

DESIGN	ASME B16.34 - EN 12516 - (BS-EN 10434) - API 600
BUTTWELDING ENDS	ASME B16.25 - EN 12627 - DIN-EN 9692-1
END-TO-END DIMENSIONS	ASME B16.10 - EN 12982 / EN 558-2 - MANUFACTURERS STANDARD
PRESSURE TESTING	ASME B16.34 - EN 12266 - API 598

MATERIALS



01 BODY	(S)A105N (SEE BELOW)
02 SEAT RING	A106 + STELLITE #12
03 PARALLEL DISC	STELLITE #6
04 BONNET	ASTM - A105
05 STEM PACKING	GRAPHITE/316 (GNHD)
06 SPRING	INCONEL 750
07 GLAND FLANGE	42CrMo4
08 GLAND	AISI 304
09 GLAND BOLT / NUT	ASTM-A193-B7 / A194-2H
10 STEM	17Cr / 1.4122
11 TOPFLANGE	CARBON STEEL
12 YOKE BAR	17Cr / 1.4122
13 YOKE SLEEVE	ALU-BRONZE
14 HANDWHEEL	CARBON STEEL
15 GUIDING-PLATE	CARBON STEEL
16 DISC HOLDER	ASTM-A182-F316
18 RETAINING PLATE	C22.8
19 GASKET	GRAPHITE / 316
20 THRUST RING	ASTM-A182-F316
21 SEGMENTAL RING	1.4923
24 PARALLEL KEY	STAINLESS STEEL
26 NEEDLE BEARING	-
27 SPRING WASHER	STEEL ZINC PLATED
28 BOLT	STEEL ZINC PLATED
29 BOLT	STEEL ZINC PLATED
32 THIN NUT	STEEL ZINC PLATED
44 NAME PLATE	STAINLESS STEEL

FEATURES

DESIGN	CONSTRUCTION	PRESSURE SEAL BONNET AND INTEGRAL BACKSEAT
	OPTIONS	AUXILIARY CONNECTIONS AND/OR PROTECTION AGAINST FLUID THERMAL EXPANSION
	OPERATION	HANDWHEEL - ELECTRIC OR PNEUMATIC ACTUATOR
	ACCESSORIES	LIMIT SWITCHES - LOCKING DEVICE - POSITION INDICATOR - STEM COVER (OTHERS ON REQUEST)
MATERIALS	BODY / BONNET	(S)A105N (1.0460) - (S)A182-F22 (10CrMo9.10) - (S)A182-F91 (1.4903) - (S)A182-F92 - (S)A182-F316(L) (OTHERS ON REQUEST)
	STEM PACKING	GRAPHITE WITH STAINLESS STEEL REINFORCED ANTI EXTRUSION RINGS

MAIN DIMENSIONS IN MM (INCH)

NOM. SIZE	CLASS	A	B	C	D	E	F	Cv	WEIGHT KG
2-1/2" (65)	1500LBS	52 (2.05)	55 (2.17)	305 (12)	575 (22.6)	93 (3.7)	350 (13.8)	228	82 (181 LB)
3" (80)	1500LBS	62 (2.44)	65 (2.56)	305 (12)	568 (22.3)	93 (3.7)	350 (13.8)	325	76 (168 LB)
4" (100)	1500LBS	80 (3.15)	85 (3.35)	406 (16)	645 (25.4)	109 (4.3)	350 (13.8)	545	115 (254 LB)
2-1/2" (65)	2500LBS	52 (2.05)	55 (2.17)	305 (12)	575 (22.6)	93 (3.7)	350 (13.8)	228	82 (181 LB)
3" (80)	2500LBS	52 (2.05)	55 (2.17)	305 (12)	563 (22.2)	93 (3.7)	350 (13.8)	228	82 (181 LB)
4" (100)	2500LBS	70 (2.76)	75 (2.95)	406 (16)	640 (25.2)	109 (4.3)	350 (13.8)	412	122 (269 LB)

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