

b

Acc. to API 602 STANDARD  
**COMPACT GATE VALVES 150 Class**  
 BOLTED BONNET, OUTSIDE SCREWED & YOKE, RISING STEM

Figure

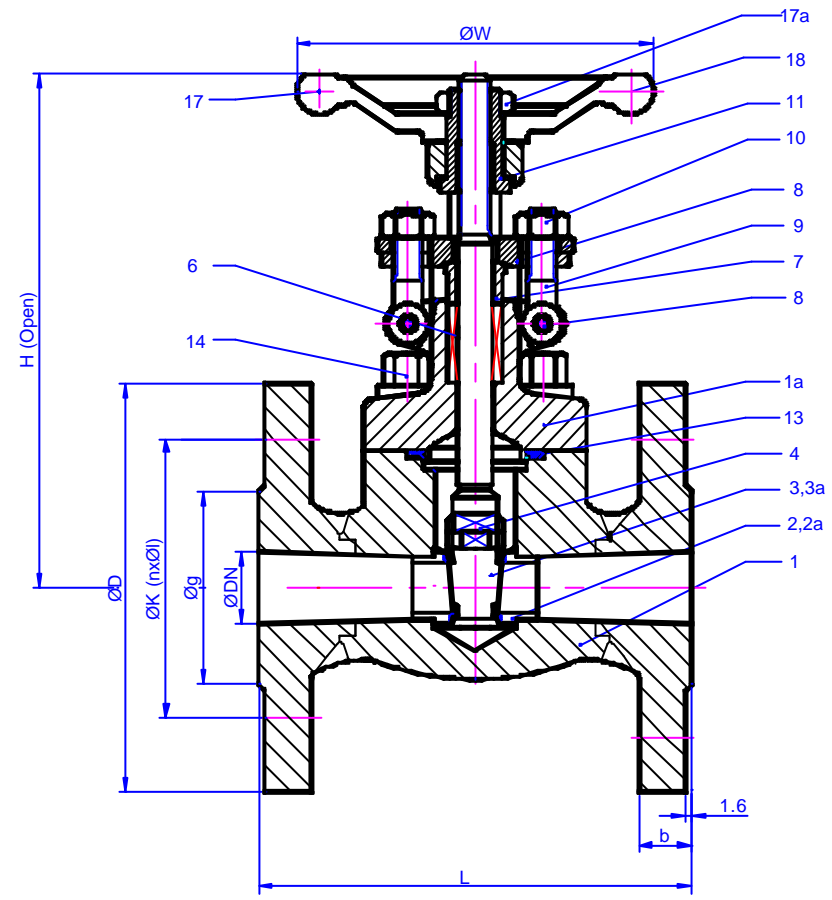
E501F.15



**DIMENSIONS & WEIGHT of E501F**

NPS	DN	ØD	b	g	ØK	n	ØI	L	H	ØW
inc.	mm	mm	mm	mm	mm	no	mm	mm	mm	mm
1/2	15	89	9.5	35	60.4	4	16	108	165	100
3/4	20	98.5	10.5	43	69.8	4	16	117.5	180	100
1	25	108	11	51	79	4	16	127	205	125
1 1/2	40	127	14	73	98.5	4	16	165	273	160
2	50	152.5	16	92	120.7	4	19	177.8	330	180

TEST PRESSURE	
SHELL & BACKSEAT	30 Bar
CLOSURE	22 Bar
WORKING PRESSURE	
-29+38 °C	20 Bar
+425 °C	6 Bar



PART LIST for Material No.15			
Item	PART NAME	Symb.	material
1	BODY	A105	ASTM A105
1a	BONNET	A105	ASTM A105
2	BODY SEAT RING	CR13	ASTM A182 Gr.F6
2a	BODY SEAT FACE	STL	AWS 13ER CoCr-A
3	WEDGE	CR13	ASTM A182 Gr.F6
3a	WEDGE SEAT FACE	STL	AWS 13ER CoCr-A
4	STEM	CR13	ASTM A182 Gr.F6
6	PACKING	GRF	GRAPHITE
7	GLAND	410	AISI410
8	GLAND FLANGE	A105	ATSM A105
9	EYE BOLT	B7	ASTM A193 Gr.B7
10	NUT	2H	ASTM A194 Gr.2H
11	STEM BUSHING	416	AISI 416
13	GASKET	SWG	316+GRAPHITE
14	BOLT	B7	ASTM A193 Gr.B7
17	HANDWHEEL	CS	CARBON STEEL
17a	WHEEL NUT	CS	CARBON STEEL
18	NAME PLATE	AL	ALUMINIUM
19a	END COVER	PVC	

DESIGN STD.: API 602	TEST STD.: API 598	END TYPE: ANSI B16.5 RF	MAT'L ID.: A105	TRIM ID.: STL				
Prep.	Che.:K.KORKMAZ	Appr.:N.ERGIN	Rev.No / Date:R0 / 05.09.2005	Description:	Datasheet Nr.:E501F.15	Attach.	Page&Scale:1/1 A4	Origin:DES