



150 Class

API 600 STANDARD

PN20

**Bolted Bonnet Steel WEDGE GATE VALVES**

Figure

**E510GE.11**



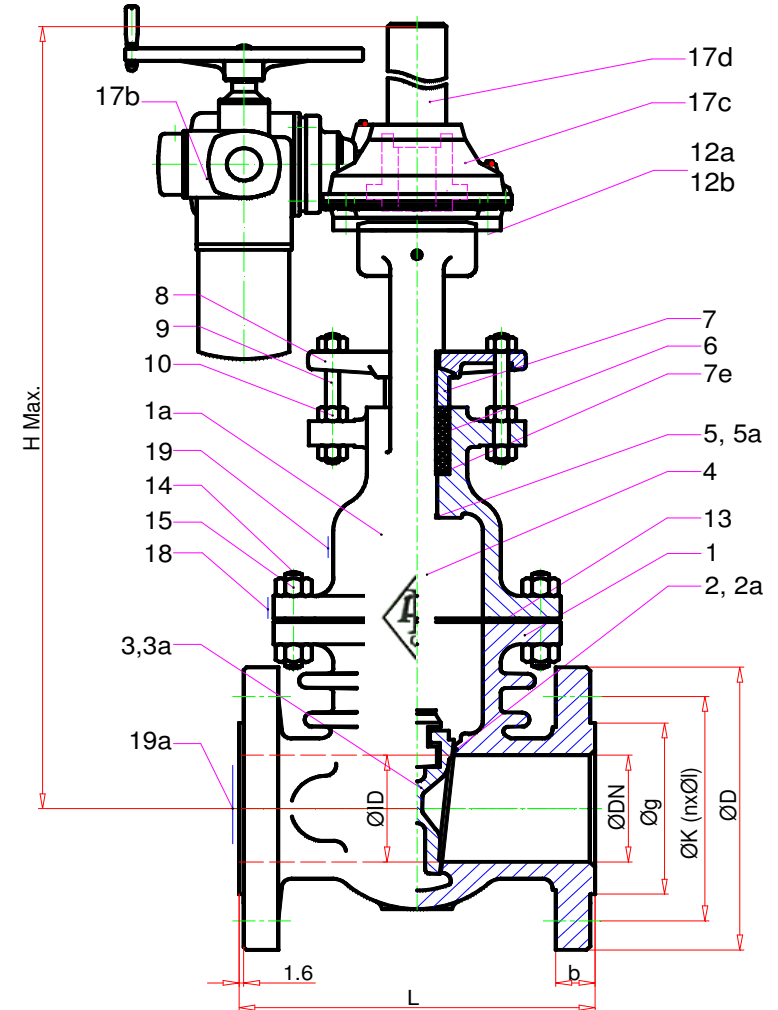
600-0043

OUTSIDE SCREWED & YOKE, RISING STEM, FIRE SAFE

**DIMENSIONS & WEIGHT of E510**

DN	ID	ØD	b	Øg	ØK	n	ØI	L	H	Wt	Kv
inc.	mm	mm	mm	mm	mm	no	mm	mm	mm	kg	m <sup>3</sup> /h
12"	305	483	32	381	432	12	26	356	1525	283	8600
14"	337	534	35	413	476	12	29	381	1750	375	10600
16"	387	597	37	470	540	16	29	406	1950	485	14000
18"	438	635	40	534	578	16	32	432	2250	680	17000
20"	489	699	43	584	635	20	32	457	2350	730	21000
24"	591	813	48	692	749	20	35	508	2750	1225	30500
28"	686	1060	57	908	978	28	41	610	3250	2075	42500
30"	737	1170	62	1022	1086	32	41	610	3350	2475	50000
32"	781	1060	57	908	978	28	41	711	3525	2800	55000
36"	876	1170	62	1022	1086	32	41	711	3875	2975	70000
42"	1020	1345	67	1194	1257	36	42	762	4700	4200	95000
48"	1166	1510	70	1359	1422	44	42	762	5400	5040	124000
60"	1458	1855	80	1676	1759	52	48	762	6400	9000	190000
72"	1755	2200	90	2020	2095	60	51	914	8000	13000	275000

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



**PART LIST for Material No.11**

Item	PART NAME	Symb.	material	Item	PART NAME	Symb.	material
1	BODY	WCB	ASTM A216 Gr.WCB	9	GLAND BOLT	B	ASTM A307.B
1a	BONNET	WCB	ASTM A216 Gr.WCB	10	GLAND NUT	B	ASTM A307.B
2	BODY SEAT RING	ST	ASTM A105	12a	FLANGE	ST	STEEL
2a	Body Seat FACE	Cr13	AWS ER420	12b	BOLT	B	ASTM A307.B
3	WEDGE (*)	WCB	ASTM A216 Gr.WCB	13	GASKET	NASF	Non Asbestos S.Fb.
3a	Wedge Seat FACE	Cr13	AWS ER420	14	STUD BOLT	B7	ASTM A193 Gr.B7
4	STEM	Cr13	ASTM A276 T.410	15	NUT	2H	ASTM A194 Gr.2H
5	BACK RING	Cr13	ASTM A276 T.410	17b	ELECTRIC ACTUATOR		
5a	Back Ring FACE	INTEGRAL		17c	GEAR BOX		
6	PACKING	GRF	GRAPHITE	17d	STEM INDICATOR	ST	STEEL
7	GLAND	CR13	ASTM A276 T.410	18	NAME PLATE	SP	STAINLESS PLATE
7e	WHASHER	ST	STEEL	19	PAINT	EP	EPOXY
8	GLAND FLANGE	WCB	ASTM A216 Gr.WCB	19a	END COVER	PVC	PLASTIC

(\*) Material CR13 (ASTM A217 Gr.CA15) for 8" and smaller

DESIGN STD.: API 600 & ASME B16.34	FACE to FACE STD.: ANSI B16.10 & ISO 5752-T3	FLANGE STD.: ANSI B16.5 & ISO 7005-PN20	MAT'L ID.: WCB	TRIM ID: Cr13-Cr13-Cr13				
Prep.:T. AKYÜREK	Che.:K.KORKMAZ	Appr.:N.ERGIN	Rev.No / Date:R7 / 01.04.2009	Description:	Doc No.:E510GE.11-9R0	Attach.	Page&Scale:1/1 A4	Origin:DES