



600 Class *API 600 STANDARD* **PN100**
Bolted Bonnet Steel WEDGE GATE VALVES
 OUTSIDE SCREWED & YOKE, RISING STEM, FIRE SAFE

Figure

E530G.11



600-0043

DIMENSIONS & WEIGHT of E530

DN	ID	ØD	b	Øg	ØK	n	ØI	L	H	Wt	Kv
inc.	mm	mm	mm	mm	mm	no	mm	mm	mm	kg	
2"	51	165	26	92	127	8	19	292	500	35	240
3"	76	210	32	127	168	8	22	356	590	66	540
4"	102	273	38	157	216	8	26	432	700	98	970
6"	152	356	48	216	292	12	29	559	950	210	2200
8"	203	419	56	270	349	12	32	660	1200	255	3900
10"	254	508	64	324	432	16	35	787	1470	547	6000
12"	305	559	67	381	489	20	35	838	1725	858	8700
14"	337	603	70	413	527	20	38	889	1910	1226	10000
16"	387	686	76	470	603	20	41	991	2150	1545	14500
18"	438	743	83	534	654	20	45	1092	2450	2225	16300
20"	489	813	89	584	724	24	45	1194	2620	2600	23500
24"	591	940	102	692	838	24	51	1397	3100	3960	35900

TEST PRESSURE

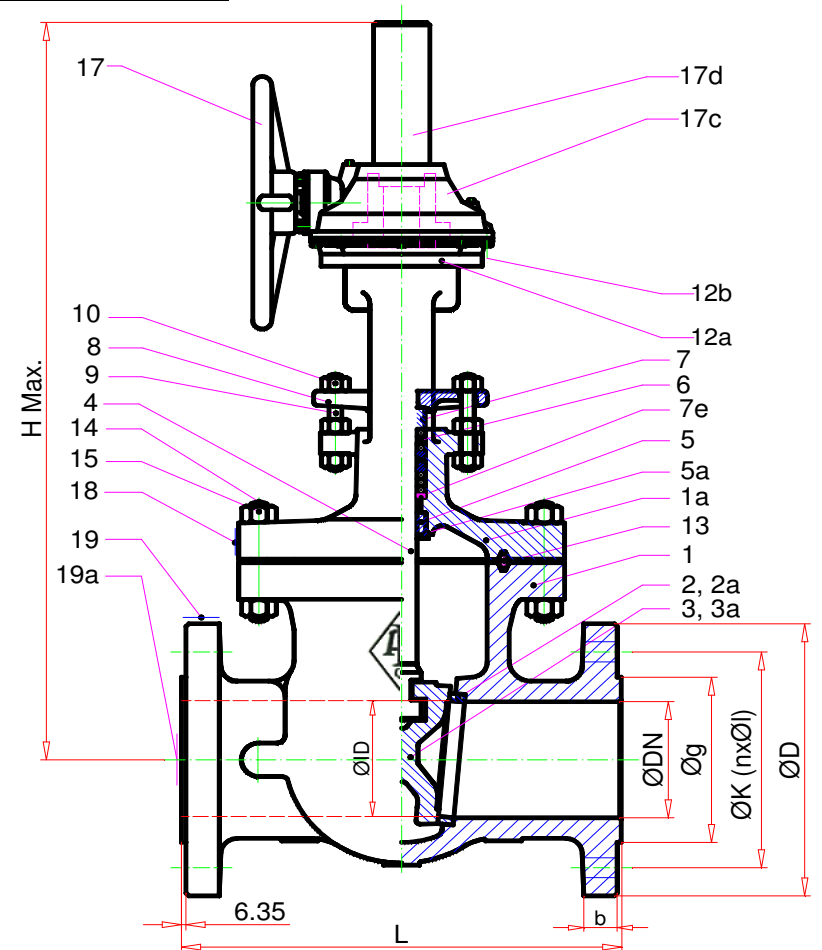
WORKING PRESSURE

Shell&Backseat	153 Bar	-29+38 °C	102 Bar
CLOSURE	113 Bar	+425 °C	58 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	10	GLAND NUT	B	ASTM A307.B
1a	BONNET	WCB	ASTM A216 Gr.WCB	11	STEM BUSHING	BZ	ASTM B148
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	ST	STEEL (Ring Joint)
3a	Wedge Seat FACE	Cr13	AWS ER420	14	STUD BOLT	B7	ASTM A193Gr.B7
4	STEM	Cr13	ASTM A276 T.410	15	NUT	2H	ASTM A194Gr.2H
5	BACK RING	Cr13	ASTM A276 T.410	17	HANDWHEEL	DI	ASTM A536
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	WASHER	ST	STEEL	19	PAINT	EP	EPOXY
8	GLAND FLANGE	WCB	ASTM A216 Gr.WCB	19a	END COVER	PVC	PLASTIC
9	GLAND BOLT	B	ASTM A307.B				

(*) 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-T4** FLANGE STD.: **ANSI B16.5 & ISO 7005-PN110** MAT'L ID.: **WCB** TRIM ID.: **Cr13-Cr13-Cr13**

Prep.:T. AKYÜREK Che.:K.KORKMAZ Appr.:N.ERGIN Rev.No / Date:R4 / 01.04.2009 Description: Doc No.:E530G.11-9R0 Attach. Page&Scale:1/1 A4 Origin:DES