



600 Class
PN100
Bolted Bonnet Steel WEDGE GATE VALVES

API 600 STANDARD

Figure

E530H.11



600-0043

DIMENSIONS & WEIGHT of E520

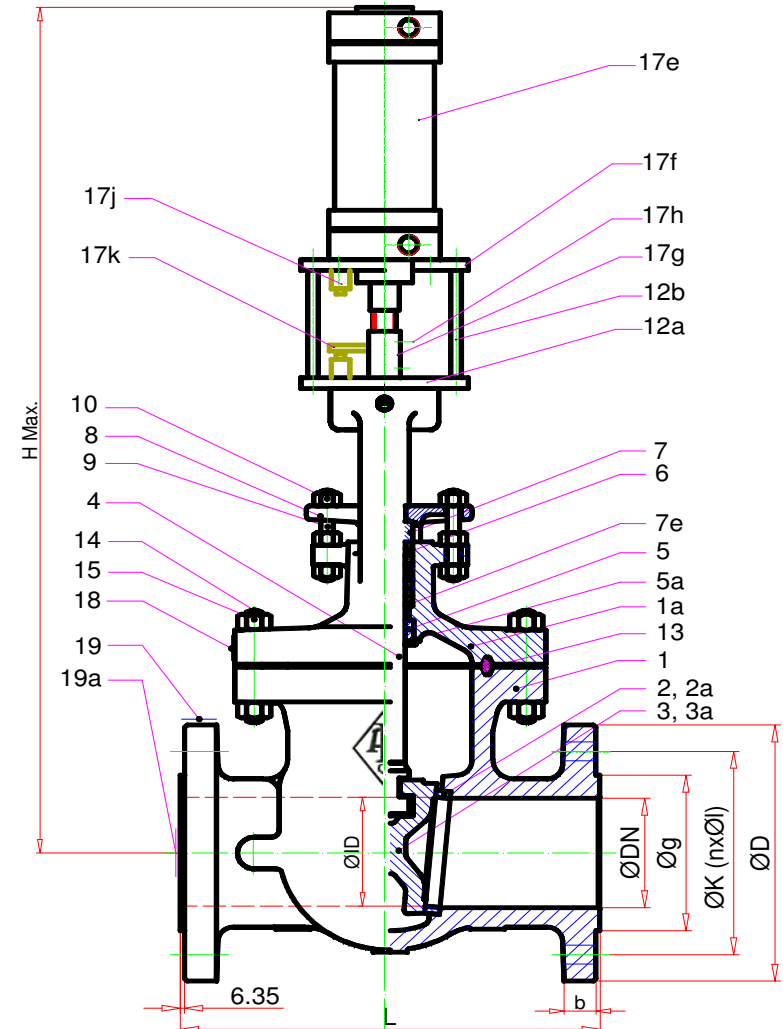
DN inc.	ID mm	ØD mm	b mm	Øg mm	ØK mm	n no	Øl mm	L mm	H mm	Kv m ³ /h
2"	51	165	23	92	127	8	19	216	490	240
3"	76	210	29	127	168	8	22	283	590	520
4"	102	254	32	157	200	8	22	305	720	970
6"	152	318	37	216	270	12	22	403	970	2200
8"	203	381	41	270	330	12	26	419	1250	3900
10"	254	445	48	324	387	16	29	457	1800	6000
12"	305	521	51	381	451	16	32	502	2120	8700
14"	337	585	54	413	514	20	32	762	2345	10000
16"	387	686	76	470	603	20	41	991	2675	14500
18"	438	743	83	534	654	20	45	1092	2980	16300
20"	489	813	89	584	724	24	45	1194	3420	23500
24"	591	940	102	692	838	24	51	1397	4070	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	12a	FLANGE	ST	STEEL
1a	BONNET	WCB	ASTM A216 Gr.WCB	12b	BOLT	B	ASTM A307.B
2	BODY SEAT RING	ST	ASTM A105	13	GASKET	NASF	Non Asbestos S.Fb.
2a	Body Seat FACE	Cr13	AWS ER420	14	STUD BOLT	B7	ASTM A193 Gr.B7
3	WEDGE (*)	WCB	ASTM A216 Gr.WCB	15	NUT	2H	ASTM A194 Gr.2H
3a	Wedge Seat FACE	Cr13	AWS ER420	17e	HYDRAULIC CYLINDER		
4	STEM	Cr13	ASTM A276 T.410	17f	ADAPTOR	ST	STEEL
5	BACK RING	Cr13	ASTM A276 T.410	17g	COUPLING	ST	CARBON STEEL
5a	Back Ring FACE	INTEGRAL		17h	SETSCREW	ST	CARBON STEEL
6	PACKING	GRF	GRAPHITE	17j	LIMIT SWITCH		
7	GLAND	CR13	ASTM A276 T.410	17k	INDICATOR	ST	STEEL
7e	WHASHER	ST	STEEL	18	NAME PLANT	SP	STAINLESS PLATE
8	GLAND FLANGE	WCB	ASTM A216 Gr.WCB	19	PAINT	EP	EPOXY
9	GLAND BOLT	B	ASTM A307.B	19a	END COVER	PVC	PLASTIC
10	GLAND NUT	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-T3 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:R7 / 01.04.2009 Description: Doc No.:E530H.11-9R0 Attach. Page&Scale:1/1 A4 Origin:DES