



300 Class *API 600 STANDARD* **PN50**
Bolted Bonnet Steel WEDGE GATE VALVES
 OUTSIDE SCREWED & YOKE, RISING STEM, FIRE SAFE

Figure

E520.11

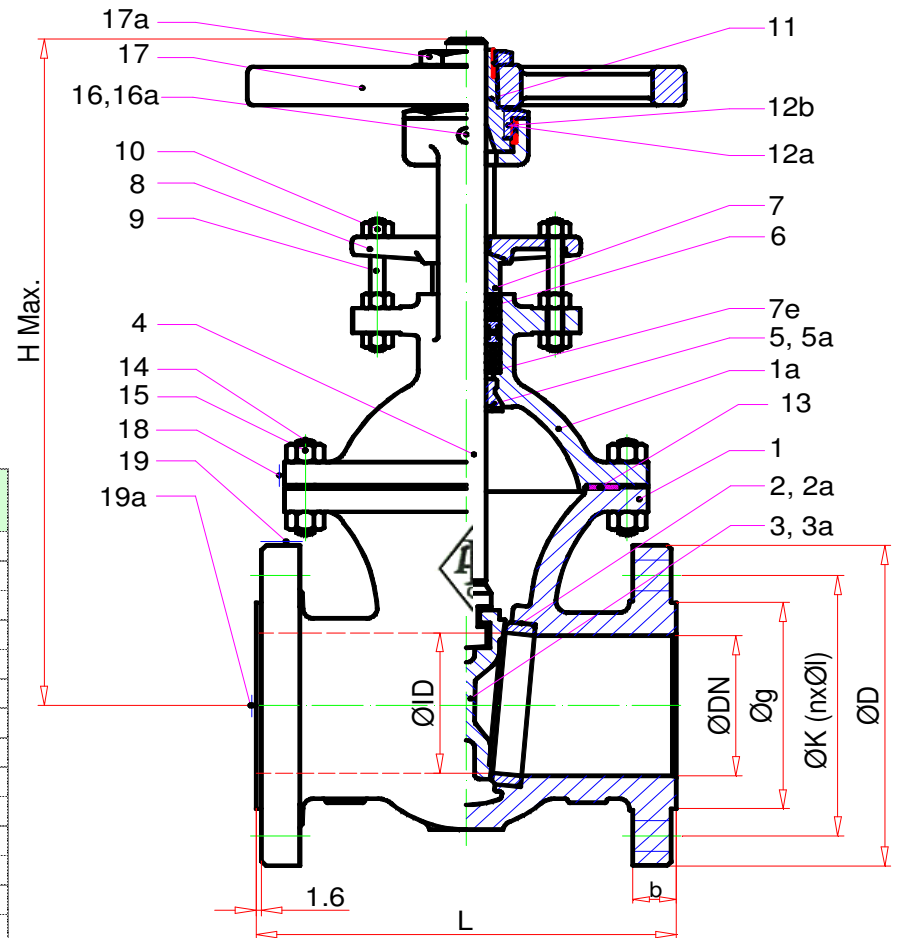


600-0043

DIMENSIONS & WEIGHT of E520

DN	ID	ØD	b	Øg	ØK	n	ØI	L	H	ØW	Wt	Kv
inc.	mm	mm	mm	mm	mm	no	mm	mm	mm	mm	kg	
2"	51	165	23	92	127	8	19	216	385	210	25	240
2½"	64	191	25	105	149	8	23	241	440	210	31	350
3"	76	210	29	127	168	8	23	283	515	245	44,5	540
4"	102	254	32	157	200	8	23	305	630	265	80	970
6"	152	318	37	216	270	12	22	403	840	265	158	2200
8"	203	381	41	270	330	12	26	419	1140	360	226	3900
10"	254	445	48	324	387	16	29	457	1240	410	420	6000
12"	305	521	51	381	451	16	33	502	1540	460	575	8700
14"	337	585	54	413	514	20	33	762	1665	610	738	10000
16"	387	648	57	470	572	20	36	838	1860	610	960	14500
18"	438	711	61	534	629	24	36	914	2145	730	1350	16300
20"	489	775	64	584	686	24	36	991	2405	730	1670	23500
24"	591	915	70	692	813	24	42	1143	2785	730	2095	35900
28"	686	1035	75	800	940	44	44	1346	3300	730	2700	42500
30"	737	1090	78	857	997	48	48	1397	3400	730	3650	50000
32"	781	1150	82	914	1054	51	51	1524	3550	730	4500	55000
36"	876	1270	88	1022	1168	54	54	1727	3900	730	5600	70000
42"	1020	1290	94	1137	1206	44	44	1911	4750	730	7700	95000
48"	1166	1465	102	1308	1372	51	51	2050	5500	730	9100	124000

	TEST PRESSURE	WORKING PRESSURE
Shell&Backseat	77 Bar	-29+38 °C 51 Bar
CLOSURE	56 Bar	+425 °C 29 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	11	STEM BUSHING	BZ	ASTM B148
1a	BONNET	WCB	ASTM A216 Gr.WCB	12	BUSHING NUT	ST	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	SWG	304+GRAPHITE
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	16	GREASE FITTING	ST	STEEL
5a	Back Ring FACE		INTEGRAL	16a	SET SCREW	B	ASTM A307.B
6	PACKING	GRF	GRAPHITE	17	HANDWHEEL	DI	ASTM A536
7	GLAND	CR13	ASTM A276 T.410	17a	WHEEL NUT	ST	ASTM A307.B
7e	WHASHER	ST	STEEL	18	NAME PLATE	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" 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-PN50** MATL ID.: **WCB** TRIM ID.: **Cr13-Cr13-Cr13**

Prep.: T. AKYÜREK Che.: K.KORKMAZ Appr.: N.ERGIN Rev.No / Date: R5 / 01.04.2009 Description: Doc. No: E520.11-9R0 Attach. Page&Scale: 1/1 A4 Origin: DES