



300 Class

API 600 STANDARD

PN50

Figure

E520P.11



600-0043

Bolted Bonnet Steel WEDGE GATE VALVES

OUTSIDE SCREWED & YOKE, RISING STEM, FIRE SAFE

DIMENSIONS & WEIGHT of E520

DN	ID	ØD	b	Øg	ØK	n	ØI	L	H	K _v
inc.	mm	mm	mm	mm	mm	no	mm	mm	mm	m ³ /h
2"	51	165	23	92	127	8	19	216	455	240
2½"	64	191	25	105	149	8	22	241	520	350
3"	76	210	29	127	168	8	22	283	575	520
4"	102	254	32	157	200	8	22	305	695	970
5"	127	280	35	186	235	8	23	381	870	1500
6"	152	318	37	216	270	12	22	403	1020	2150
8"	203	381	41	270	330	12	26	419	1265	3850
10"	254	445	48	324	387	16	29	457	1575	6000
12"	305	521	51	381	451	16	32	502	1800	8600
14"	337	585	54	413	514	20	32	762	1995	10600

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	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	PNEUMATIC 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

