



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

Figure

**E520H.11**

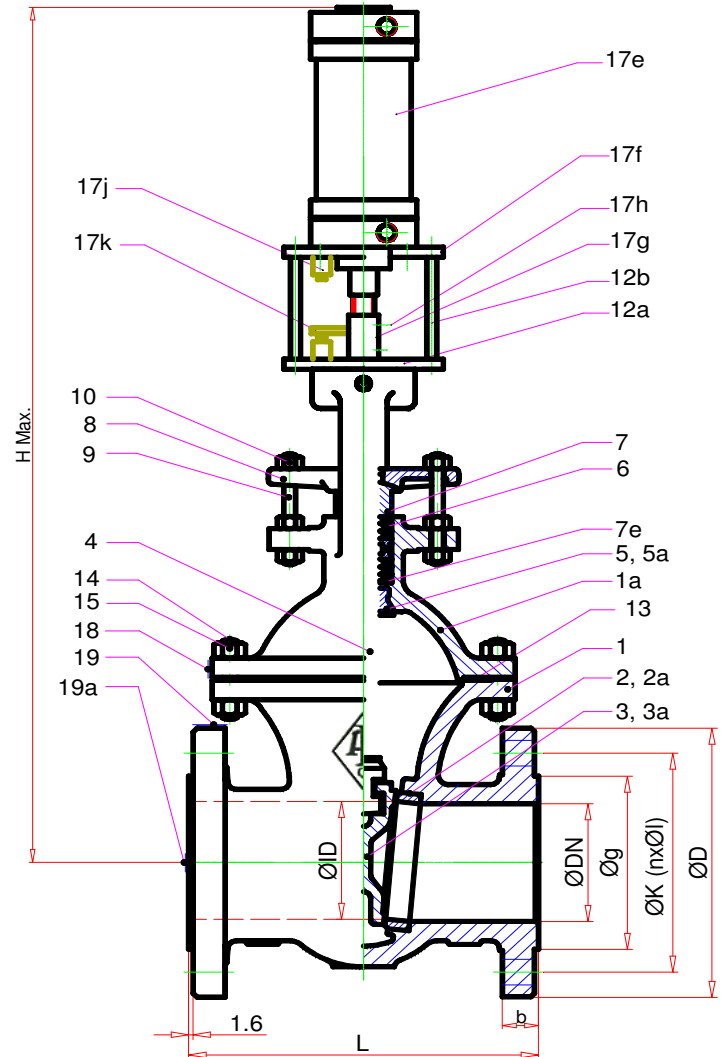


600-0043

**DIMENSIONS & WEIGHT of E520**

DN	ID	ØD	b	Øg	ØK	n	ØI	L	H	Kv
inc.	mm	mm	mm	mm	mm	no	mm	mm	mm	m <sup>3</sup> /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
16"	387	648	57	470	572	20	35	838	2560	14000
18"	438	711	61	534	629	24	35	914	2965	17000
20"	489	775	64	584	686	24	35	991	3140	21000
24"	591	915	70	692	813	24	41	1143	3750	30500
28"	686	1035	75	800	940	44	28	1346	4370	42500
30"	737	1090	78	857	997	48	28	1397	4520	50000
32"	781	1150	82	914	1054	51	28	1524	4800	55000
36"	876	1270	88	1022	1168	54	32	1727	5250	70000
42"	1020	1290	94	1137	1206	44	32	1911	6200	95000
48"	1166	1465	102	1308	1372	51	32	2050	7150	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	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