



BILL OF MATERIALS

NO.	PARTS NAME	MATERIAL	NO.	PARTS NAME	MATERIAL
1	BODY	ASTM A216 GR.WCB	12	GLAND	ASTM A276 TYPE 410
2	SEAT RING	ASTM A105N+STL#6	13	GLAND FLANGE	ASTM A216 GR.WCB
3	WEDGE	ASTM A216 GR.WCB+13CR	14	STEM NUT	ASTM A439 GR.D-2
4	STEM	ASTM A182 GR F6A	15	HANDWHEEL NUT	ASTM A29 TYPE 1025
5	GASKET	SPW SS304+GRAPHITE	16	HANDWHEEL	DUCTILE IRON
6	BONNET	ASTM A216 GR.WCB	17	EYE BOLT	ASTM A193 GR.B7M
7	STUD	ASTM A193 GR.B7M+ZN	18	EYE NUT	ASTM A194 GR.2HM+ZN
8	NUT	ASTM A194 GR.2HM+ZN	19	PIN	ASTM A29 TYPE 1025
9	BACK SEAT	ASTM A276 TYPE 410	20	NAMEPLATE	SS304
10	SPACER RING	ASTM A276 TYPE 410	21	RIVET	SS304
11	PACKING	LOW EMISSION GRAPHITE	22		

PERFORMANCE STANDARDS

NOMINAL CL (PN)	600LB		STANDARD
SHELL TEST PRESSURE	15300 kPaG	2220 Psi	API 598 WITH API 6D (TEST DURATION)
BACK SEAT PRESSURE	11200 kPaG	1625 Psi	API 598
AIR TEST PRESSURE	600 kPaG	87 Psi	API 598 & ASME B16.34
TEMPERATURE RANGE	Up to +538 °C		1000 °F

DESIGN STANDARDS

PRESSURE RATING	ANSI/ASME Class 600	VALVE TYPE	GATE VALVE
DESIGN	API 600	TEST & INSPECTION	API 598
FACE TO FACE DIMENSION	ASME B16.10	END CONNECTION	ANSI/ASME B16.5-RF, SF 3.2-6.3Ra
MARKING	MSS SP-25	WALL THICKNESS	API 600/ ASME B16.34
DIM. OF FLANGE	ANSI/ASME B16.5	NACE	MR 01-75 (Internal Wetted parts)
CERTIFICATION	EN10204, Type 3.1	TEST DURATION	API 6D

PAINT	[Blast]	[Primer]	[Intermediate 1]	[Intermediate 2]	[Topcoat]
	SA 2.5	Interzinc 52 (50 µm)	Intergard 475HS MIO (100 µm)	Intergard 475HS MIO (100 µm)	Interthane 990 (50 µm)
▶ FINAL COLOR: RAL 9003 WHITE, MATT FINISH					
▶ Total Minimum DFT: 300 µm					

SIZE	ØD	ØR	ØT	ØO	N-ØD1	C	L	H(CLOSED)	W	WT(KG)	PRODUCT CODE
2"	51	91.9	127	165	8-Ø19	25.4	292	370	250	40	GABC6005RN6D050
2.5"	64	104.6	149.4	190	8-Ø22	28.6	330	427	250	65	GABC6005RN6D065
3"	76	127	168.1	210	8-Ø22	31.8	356	455	250	90	GABC6005RN6D080
4"	102	157.2	215.9	273	8-Ø26	38.1	432	530	300	130	GABC6005RN6D100
5"	127	185.7	266.7	330	8-Ø29	44.4	508	604	400	190	GABC6005RN6D125
6"	152	215.9	292.1	356	12-Ø29	47.8	559	705	450	250	GABC6005RN6D150
8"	200	269.7	349.2	419	12-Ø32	55.6	660	890	500	430	GABC6005RN6D200

DESCRIPTION

50MM TO 200MM CLASS 600 GATE VALVE ASTM A216 WCB OSY BB API TRIM 5 13 PERCENT CR PLUS STELLITE 6 FACED SEAT AND DISC GRAPHOIL PACKING ASTM A193 B7 A194 2H FASTENERS RF FLANGED HANDWHEEL OPERATED API 600 DESIGN ASME B16.5 FLANGES ANSI B16.10 F2F API 598 TESTED API 6D DURATION NACE MR 01-75 INHERENTLY FIRESAFE.