



BILL OF MATERIALS					
NO.	PARTS NAME	MATERIAL	NO.	PARTS NAME	MATERIAL
1	BODY	ASTM A216 GR.WCB	11	GLAND	ASTM A276 TYPE 410
2	SEAT RING	ASTM A105N+STL#6	12	GLAND FLANGE	ASTM A216 GR.WCB
3	WEDGE	ASTM A216 GR.WCB+13CR	13	STEM NUT	ASTM A439 GR.D-2
4	STEM	ASTM A182 GR F6A	14	HANDWHEEL	DUCTILE IRON
5	GASKET	SS316+GRAPHITE	15	HANDWHEEL NUT	ASTM A29 TYPE 1025
6	BONNET	ASTM A216 GR.WCB	16	EYE BOLT	ASTM A193 GR.B7M
7	STUD	ASTM A193 GR.B7M	17	EYE NUT	ASTM A194 GR.2HM
8	NUT	ASTM A194 GR.2HM	18	PIN	ASTM A29 TYPE 1025
9	BACK SEAT	ASTM A276 TYPE 410	19	NAMEPLATE	SS304
10	PACKING	LOW EMISSION GRAPHITE	20	RIVET	SS304

PERFORMANCE STANDARDS		
<b>NOMINAL CL (PN)</b>	150LB	STANDARD
<b>SHELL TEST PRESSURE</b>	3000 <sub>kPaG</sub> / 435 <sub>Psi</sub>	API 598 WITH API 6D (TEST DURATION)
<b>BACK SEAT PRESSURE</b>	2200 <sub>kPaG</sub> / 320 <sub>Psi</sub>	API 598
<b>AIR TEST PRESSURE</b>	600 <sub>kPaG</sub> / 87 <sub>Psi</sub>	API 598 & ASME B16.34
<b>TEMPERATURE RANGE</b>	Up to +538 °C	1000 °F
<b>FUGITIVE EMISSIONS(FE) TESTING</b>	ISO 15848-2 LOW EMISSION TEST-5%	

DESIGN STANDARDS			
<b>PRESSURE RATING</b>	ANSI/ASME CLASS 150	<b>VALVE TYPE</b>	GATE VALVE
<b>DESIGN</b>	API 600	<b>TEST &amp; INSPECTION</b>	API 598
<b>FACE TO FACE DIMENSION</b>	ASME B16.10	<b>END CONNECTION</b>	ANSI/ASME B16.5-RF, SF 3.2-6.3RA
<b>MARKING</b>	MSS SP-25	<b>WALL THICKNESS</b>	API 600/ ASME B16.34
<b>DIM. OF FLANGE</b>	ANSI/ASME B16.5	<b>NACE</b>	MR 01-75 (Internal Wetted parts)
<b>CERTIFICATION</b>	EN10204, TYPE 3.1		

<b>PAINT</b>	<b>[Blast]</b> → <b>[Primer]</b> → <b>[Intermediate 1]</b> → <b>[Intermediate 2]</b> → <b>[Topcoat]</b> SA 2.5    Intergard 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
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**DESCRIPTION**  
 50MM TO 350MM CLASS 150 GATE VALVE ASTM A216 WCB OS&Y BB API TRIM 8 WITH 13% CR/STELLITE 6 SEAT GRAPHOIL PACKING ASTM A193 B7/A194 2H FASTENERS NACE MR0175 COMPLIANT FLANGED RF TO ASME B16.5 F-F TO ASME B16.10 TESTED TO API 598 WITH API 6D DURATION HANDWHEEL OPERATED AS PER API 600 INHERENTLY FIRESAFE.

	<b>DWG NO</b>	GABC1508RN6D050-350	<b>CHECKED</b>		<b>DATE:</b> 09-12-2025
	<b>REV.</b>	00	<b>APPROVED</b>		<b>DATE:</b> 10-12-2025

SIZE	ØD	ØR	ØT	ØO	N-ØD1	C	L	H(CLOSE)	W	WT(KG)	PRODUCT CODE
2"	51	91.9	120.6	150	4-φ19	15.7	178	310	200	20	GABC1508RN6D050
2.5"	64	104.6	139.7	180	4-φ19	17.2	190	360	200	33	GABC1508RN6D065
3"	76	127	152.4	190	4-φ19	19	203	370	250	36	GABC1508RN6D080
4"	102	157.2	190.5	230	8-φ19	23.9	229	434	250	53	GABC1508RN6D100
5"	127	185.7	215.9	255	8-φ22	24	254	540	300	75	GABC1508RN6D125
6"	152	215.9	241.3	280	8-φ22	25.4	267	580	300	105	GABC1508RN6D150
8"	203	269.7	298.4	345	8-φ22	28.4	292	730	350	136	GABC1508RN6D200
10"	254	323.8	362	405	12-φ26	29.9	330	864	400	200	GABC1508RN6D250
12"	305	381	431.8	485	12-φ26	31.7	356	1015	450	280	GABC1508RN6D300
14"	337	412.8	476.2	535	12-φ29	34.8	381	1135	500	340	GABC1508RN6D350