



### BILL OF MATERIALS

NO.	PARTS NAME	MATERIAL	NO.	PARTS NAME	MATERIAL
1	BODY	ASTM A105N	10	GLAND BOLT PIN	ASTM A276 316
2	WEDGE	ASTM A182 F6A	11	GLAND	ASTM A276 420
3	SEAT RINGS	ASTM A182 F6A+STL	12	GLAND FLANGE	ASTM A105N
4	STEM	ASTM A182 F6A	13	NUT	ASTM A194 2HM+ZN
5	GASKET	316+GRAPHITE	14	STEM NUT	ASTM A276 410
6	BONNET BOLT	ASTM A193 B7M+ZN	15	WASHER	ASTM A276 410
7	BONNET	ASTM A105N	16	NAMEPLATE	ALUMINUM
8	PACKING	LOW EMISSION GRAPHITE	17	HAND WHEEL NUT	ASTM A108 1020
9	GLAND BOLT	ASTM A193 B7M+ZN	18	HAND WHEEL	ASTM A197

### PERFORMANCE STANDARDS

NOMINAL CL (PN)	150LB		STANDARD
SHELL TEST PRESSURE	3000 kPaG	435 Psi	API 598 WITH API 6D (TEST DURATION)
BACK SEAT PRESSURE	2200 kPaG	320 Psi	API 598
HIGH-PRESSURE CLOSURE	-	-	-
LOW PRESSURE CLOSURE	600 kPaG	87 Psi	API 598 & ASME B16.34
TEST TEMPERATURE	5-38 °C		~ 41-100.4 °F

### DESIGN STANDARDS

PRESSURE RATING	ANSI/ASME CLASS 150	VALVE TYPE	GATE VALVE
DESIGN	API 602 & ASME B16.34	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		

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				

### DESCRIPTION

25 MM CLASS 150 FORGED STEEL GATE VALVE (ASTM A105) FLANGED ANSI 150 STANDARD BORE BOLTED BONNET RISING STEM WITH OS&Y SOLID WEDGE API TRIM 8 (13% CR HALF STELLITE) GRAPHITE PACKING B7+ZN / 2H+ZN STUDS & NUTS DESIGN API 602 & ASME B16.34 FLANGES ASME B16.5 FACE-TO-FACE ANSI B16.10 TESTING API 598 (API 6D DURATION) NACE MR0175 COMPLIANT PAINTED AS PER FVC STANDARD

SIZE	L±1.6	D±0.5	D1±1.0	D2±0.5	D3±1.5	D±2	TQ̄.5	T±0.5	N-B±1	H±5	W±5	WEIGHT (KG)	PRODUCT CODE
1"	165	29	41	73	98.4	125	15	1.6	4-Ø16	241	160	9.5	GABF1508RN6DP025

DWG NO	GABF1508RN6DP025	CHECKED		DATE: 09-12-2025
REV.	00	APPROVED		DATE: 10-12-2025