



BILL OF MATERIALS

NO.	PARTS NAME	MATERIAL	NO.	PARTS NAME	MATERIAL
1	BODY	ASTM A216 WCB	17	STEM NUT	BRONZE
2	SEAT	ASTM A105+STL6	18	RETAINING NUT	AISI 1020
3	WEDGE	ASTM A216 WCB+13CR	19	HANDWHEEL	QT450-10
4	STEM	ASTM A182 F6A CL. 2	20	HANDWHEEL NUT	AISI 1020
5	GASKET	SS316+GRAPHITE	21	SCREW	AISI 1045
6	BONNET	ASTM A216 WCB	22	MICRO-LEAKAGE SPACER	ASTM A276 420
7	BACKSEAT	ASTM A276 420	23	BEARING	BEARING STEEL
8	HEAVY HEX NUT	ASTM A194 2H	24	FULL THREADED STUD	ASTM A193 B7
9	FULL THREADED STUD	ASTM A193 B7	25	HEAVY HEX NUT	ASTM A194 2H
10	PACKING	LOW EMISSION GRAPHITE	26	BRACKET	ASTM A216 WCB
11	ROLL COST	AISI 1035	27	SPACER BEARING	SS304
12	GLAND	ASTM A276 420	28	3/8" MALE CONNECTOR	AISI 316SS
13	GLAND FLANGE	ASTM A216 WCB	29	3/8" TUBE	AISI 316LSS
14	HEAVY HEX NUT	ASTM A194 2H	30	3/8" NEEDLE VALVE	AISI 316SS
15	BOLT	ASTM A193 B7	31	3/8" POPPET CHECK VALVE	AISI 316SS
16	STRAIGHT THROUGH OIL CUP	CARBON STEEL	34	HANDLE	ASTM A216 WCB
17	SCREW	ASTM A320 L7M+ZN	35		

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
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 150	VALVE TYPE	GATE VALVE
DESIGN	API 600, BS 1414	CONSTRUCTION	API TRIM 8, BB, OS&Y
FACE TO FACE DIMENSION	ASME B16.10	TRIM AND SEATING SURFACE	API 600
END CONNECTION	ANSI/ASME B16.5-RF, SF 3.2-6.3Ra	TEST & INSPECTION	API 598
DIM. OF FLANGE	ANSI/ASME B16.5	MARKING	MSS SP-25
CERTIFICATION	EN10204, TYPE 3.1	WALL THICKNESS	API 600/ ASME B16.34

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

DESCRIPTION

80MM TO 300MM CL150 GATE VALVE ASTM A216 WCB OS&Y BB API TRIM 8 13% CR PLUS STELLITE 6 SEAT FE 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 INHERENTLY FIRESAFE.

SIZE	A	D	D ₁	D ₂	DN	N-ΦD	B	T	H(OPEN)	H ₁ (OPEN)	W	WEIGHT (KG)	ITEM SIZE	J	K	L	M	N	P	R	PRODUCT CODE
3"	203±1.5	Φ190	Φ152.4	Φ127	Φ76.2	4-Φ19	17.5	11	495	590	Φ254	32	3"	135	198	63	120	64	250	71	GABC1508R6D080
4"	229±1.5	Φ229	Φ190.5	Φ157.2	Φ101.6	8-Φ19	22.4	11.6	596	711	Φ254	43.96	4"	150	216	63	136	64	250	71	GABC1508R6D0100
6"	267±1.5	Φ279	Φ241.3	Φ215.9	Φ152.4	8-Φ22.2	23.9	12.3	794	934	Φ300	74	6"	178	241	63	160	64	190	71	GABC1508R6D0150
8"	292±1.5	Φ343	Φ298.4	Φ269.7	Φ203.2	8-Φ22.2	26.9	12.7	970	1141	Φ350	128	8"	210	273	63	180	64	190	71	GABC1508R6D0200
10"	330±1.5	Φ406	Φ362	Φ323.8	Φ254	12-Φ25.4	28.4	14.2	1167	1370	Φ400	186	10"	242	305	63	210	64	190	71	GABC1508R6D0250
12"	356±3	Φ483	Φ431.8	Φ381	Φ304.8	12-Φ25.4	30.2	16	1368	1611	Φ500	276	12"	280	343	63	230	64	190	71	GABC1508R6D0300