



BILL OF MATERIALS

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

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
FUGITIVE EMISSIONS(FE) TESTING	ISO 15848-2 LOW EMISSION TEST-5%		

DESIGN STANDARDS

PRESSURE RATING	ANSI/ASME CLASS 150	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		

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

200MM TO 600MM CLASS150 GATE VALVE ASTM A216 WCB OSY BB API TRIM 8 13 PERCENT CR PLUS STELLITE 6 SEAT GRAPHOIL PACKING ASTM A193 B7 A194 2H FASTENERS RF FLANGED GEAR OPERATED API 600 DESIGN ASME B16.5 FLANGES ANSI B16.10 F2F API 598 TESTED API 6D DURATION NACE MR 01-75 INHERENTLY FIRESAFE.

SIZE	Ød	ØR	ØT	ØØ	n-Ød1	C	L	H	W	ΦD	ΦA	ΦB	n-Φd	G	h	Tr	ISO	WT(Kg)	Product Code
8"	203	269.7	298.4	345	8-φ22	28.4	292	730	350	175	100	140	4-φ18	70	4	Tr32x6LH	F14	136	GABC1508RN6DG200
10"	254	323.8	362	405	12-φ26	29.9	330	864	350	175	100	140	4-φ18	70	4	Tr36x6LH	F14	220	GABC1508RN6DG250
12"	305	381	431.8	485	12-φ26	31.7	356	1015	350	210	130	175	4-φ22	90	5	Tr38x6LH	F16	320	GABC1508RN6DG300
14"	337	412.8	476.2	535	12-φ29	34.8	381	1135	460	210	130	175	4-φ22	90	5	Tr42x8LH	F16	440	GABC1508RN6DG350
16"	387	469.9	539.8	595	16-φ29	36.6	406	1275	460	300	200	254	8-φ18	100	5	Tr44x8LH	F25	610	GABC1508RN6DG400
18"	438	533.4	577.8	635	16-φ32	39.6	432	1440	600	300	200	254	8-φ18	100	5	Tr48x8LH	F25	720	GABC1508RN6DG450
20"	489	584.2	635	700	20-φ32	42.6	457	1550	600	300	200	254	8-φ18	100	5	Tr52x8LH	F25	860	GABC1508RN6DG500
24"	591	692.2	749.3	815	20-φ35	47.5	508	1840	600	350	230	298	8-φ22	120	5	Tr58x10LH	F30	1300	GABC1508RN6DG600