



CAST STAINLESS & ALLOY GATE VALVES

Warren Valve's line of Cast Stainless Steel & Alloy Gate Valves are offered in classes 150, 300, 600, 900, and 1500. For oil and gas refineries and petrochemical plants, Warren's stainless steel valves are an economical and quality choice. Warren Valves are subject to rigorous quality inspections.

Our comprehensive evaluation includes on-site audits, inspection at the source, receiving inspections, and destructive material testing. Mill test reports are always available.

CLASS	FIGURE NUMBER
150#	1156
300#	1306
600#	1606
900#	1906
1500#	1506

PRODUCT OVERVIEW

SIZE RANGE	1/2"-36"
MATERIAL GRADES	CF8M, CF8, CF3M, 317, CN7M, C-276 (CW12MV), Duplex, Super Duplex, 321SS, 347SS, INCOLYS
TRIM MATERIALS	Trim 10, 12, 16, & Special Materials
END CONFIGURATIONS	Raised Face & RTJ
FEATURES	NACE Compliant, Teflon or Graphite Packing & Gasket (Low Fugitive Emission) * Also available in our WA Series 2"-12"

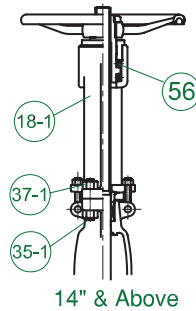
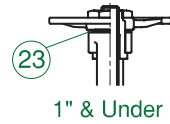
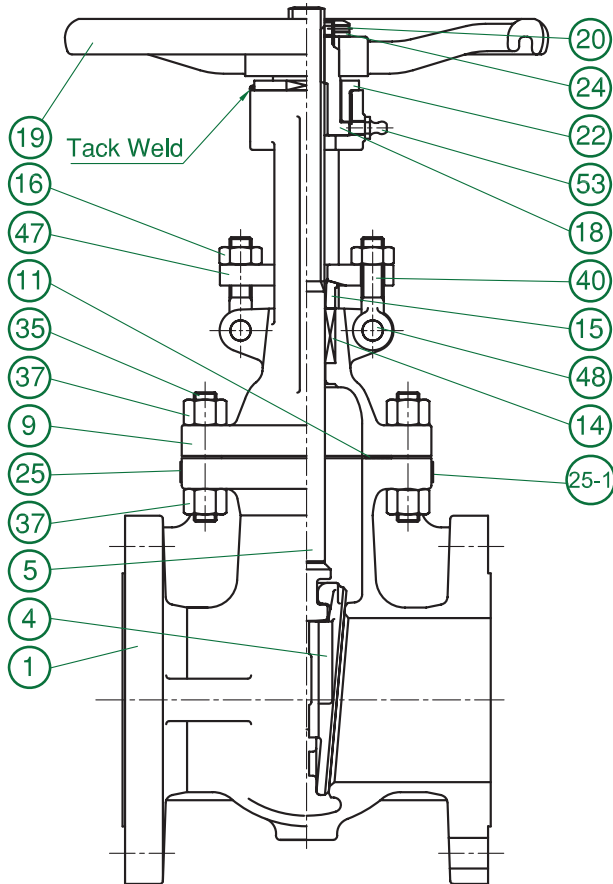
GENERAL DESIGN FEATURES

Testing	598 Hydro 1
Pressure Temperature Rating	ANSI B16.34
Face-to-Face Dimensions	ANSI B16.10
End Flange Dimensions	ANSI B16.512
Visual Inspection of Castings	MSS-SP-55

¹ Every Warren Valve is 100% pressure tested according to 598 test requirements. MTRs are available upon request.

² Valves 26" and larger according to ANSI B16.47 Series A (MSS SP-44) and Series B

ANSI CLASS 150 - 300



MATERIAL LIST

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A351 Gr.CF8M
4	WEDGE	ASTM A351 Gr.CF8M (FLEXIBLE WEDGE)
5	STEM	ASTM A276 Gr.316
9	BONNET	ASTM A351 Gr.CF8M
11	GASKET	PTFE / GRAPHITE
12	INTEGRAL SEAT	STL#6 (12" & ABOVE)
14	PACKING	PTFE (CUP&CONE DESIGN)/GRAPHITE(FLAT DESIGN)
15	GLAND	ASTM A351 Gr.CF8M
16	EYE BOLT NUT	ASTM A194 Gr.8MA (HEAVY)
18	SLEEVE	ASTM A439 Gr.D2C
18-1	YOKE	ASTM A351 Gr.CF8 (14" & ABOVE)
19	HANDWHEEL	ASTM A536 DUCTILE IRON
20	SET SCREW	ASTM A193 Gr.B8
22	STEM NUT	ASTM A351 Gr.CF8 (1-1/2" & ABOVE)
23	WASHER	ASTM A276 Gr.304 (1" & UNDER)
24	HANDWHEEL NUT	ASTM A351 Gr.CF8
25	NAMEPLATE	ASTM A666 Gr.304
25-1	LOW EMISSION NAMEPLATE	ASTM A666 Gr.304
35	BONNET STUD	ASTM A193 Gr.B8MA (10" & UNDER)
		ASTM A193 Gr.B8M CLASS 2 (12" & ABOVE)
35-1	YOKE BOLT	ASTM A193 Gr.B8M CLASS 2 (14" & ABOVE)
37	BONNET NUT	ASTM A194 Gr.8MA (10" & UNDER)
		ASTM A194 Gr.8M (12" & ABOVE)
37-1	YOKE NUT	ASTM A194 Gr.8M (14" & ABOVE)
40	EYE BOLT	ASTM A193 Gr.B8MA
47	GLAND FLANGE	ASTM A351 Gr.CF8
48	EYE BOLT PIN	ASTM A276 Gr.304
53	GREASE FITTING	ANSI 304 (1-1/2" & ABOVE)
56	BEARING	STEEL (14" & ABOVE)

OTHER BODY AND TRIM MATERIALS AVAILABLE.

Please contact Warren Valve or your Warren Valve representative for more details.

ANSI CLASS 150 - 300 - 600 - 900 - 1500

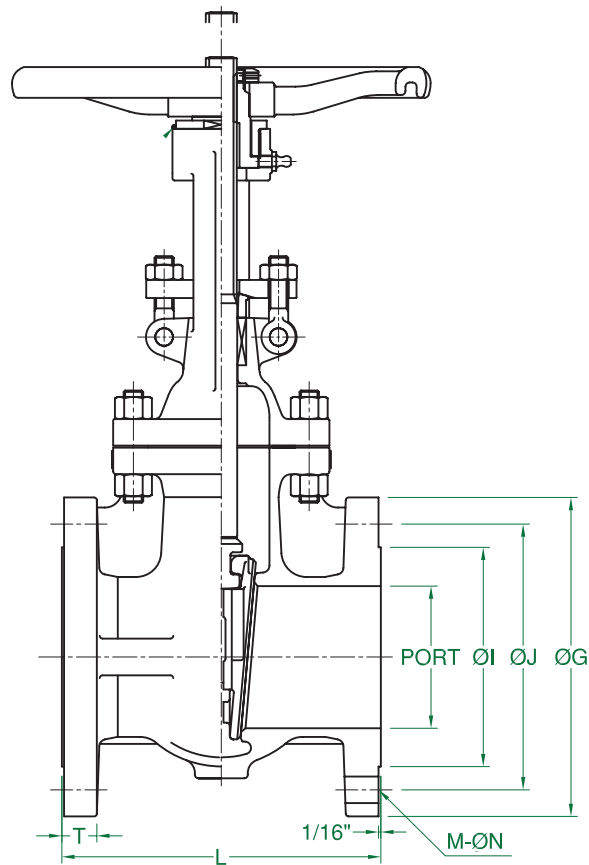


FIGURE NUMBER 1156

SIZE	PORT	L	φG	φJ	φI	T	M	φN
1/2"	0.59	4.25	3.50	2.38	1.38	0.38	4	0.62
3/4"	0.75	4.62	3.88	2.75	1.69	0.41	4	0.62
1"	1.00	5.00	4.25	3.12	2.00	0.44	4	0.62
1-1/4"	1.26	5.50	4.62	3.50	2.50	0.50	4	0.62
1-1/2"	1.50	6.50	5.00	3.88	2.88	0.56	4	0.62
2"	2.00	7.00	6.00	4.75	3.62	0.62	4	0.75
2-1/2"	2.50	7.50	7.00	5.50	4.12	0.69	4	0.75
3"	3.11	8.00	7.50	6.00	5.00	0.75	4	0.75
4"	4.00	9.00	9.00	7.50	6.19	0.94	8	0.75
5"	5.00	10.00	10.00	8.50	7.31	0.94	8	0.88
6"	6.00	10.50	11.00	9.50	8.50	1.00	8	0.88
8"	8.00	11.50	13.50	11.75	10.62	1.12	8	0.88
10"	10.00	13.00	16.00	14.25	12.75	1.19	12	1.00
12"	12.00	14.00	19.00	17.00	15.00	1.25	12	1.00
14"	13.25	15.00	21.00	18.75	16.25	1.38	12	1.12
16"	15.25	16.00	23.50	21.25	18.50	1.44	16	1.12
18"	17.25	17.00	25.00	22.75	21.00	1.56	16	1.25
20"	19.25	18.00	27.50	25.00	23.00	1.69	20	1.25
24"	23.25	20.00	32.00	29.50	27.25	1.88	20	1.38

FIGURE NUMBER 1306

SIZE	PORT	L	ΦG	ΦJ	ΦI	T	M	ΦN
1/2"	0.59	5.50	3.75	2.62	1.38	0.56	4	0.62
3/4"	0.75	6.00	4.62	3.25	1.69	0.62	4	0.75
1"	1.00	6.50	4.88	3.50	2.00	0.69	4	0.75
1-1/2"	1.50	7.50	6.12	4.50	2.88	0.81	4	0.88
2"	2.00	8.50	6.50	5.00	3.62	0.88	8	0.75
2-1/2"	2.50	9.50	7.50	5.88	4.12	1.00	8	0.88
3"	3.11	11.12	8.25	6.62	5.00	1.12	8	0.88
4"	4.00	12.00	10.00	7.88	6.19	1.25	8	0.88
6"	6.00	15.88	12.50	10.62	8.50	1.44	12	0.88
8"	8.00	16.50	15.00	13.00	10.62	1.62	12	1.00
10"	10.00	18.00	17.50	15.25	12.75	1.88	16	1.12
12"	12.00	19.75	20.50	17.75	15.00	2.00	16	1.25
14"	13.25	30.00	23.00	20.25	16.25	2.12	20	1.25
16"	15.25	33.00	25.50	22.50	18.50	2.25	20	1.38
18"	17.25	36.00	28.00	24.75	21.00	2.38	24	1.38
20"	19.25	39.00	30.50	27.00	23.00	2.50	24	1.38

FIGURE NUMBER 1606

SIZE	PORT	L	ΦG	ΦJ	ΦI	T	M	ΦN
1-1/2"	1.50	9.50	6.12	4.50	2.88	0.88	4	0.88
2"	2.00	11.50	6.50	5.00	3.62	1.00	8	0.75
2-1/2"	2.50	13.00	7.50	5.88	4.12	1.12	8	0.88
3"	3.11	14.00	8.25	6.62	5.00	1.25	8	0.88
4"	4.00	17.00	10.75	8.50	6.19	1.50	8	1.00
5"	5.00	20.00	13.00	10.50	7.31	1.75	8	1.13
6"	6.00	22.00	14.00	11.50	8.50	1.88	12	1.13
8"	7.87	26.00	16.5	13.75	10.62	2.19	12	1.25
10"	9.75	31.00	20.00	17.00	12.75	2.50	16	1.38
12"	11.75	33.00	22.00	19.25	15.00	2.62	20	1.38

FIGURE NUMBER 1906

SIZE	PORT	L	ΦG	ΦJ	ΦI	T	M	ΦN
2"	1.87	14.50	8.50	6.50	3.62	1.50	8	1.00
3"	2.87	15.00	9.50	7.50	5.00	1.50	8	1.00
4"	3.87	18.00	11.50	9.25	6.19	1.77	8	1.25
5"	4.75	22.00	13.75	11.00	7.31	2.00	8	1.38
6"	5.75	24.00	15.00	12.50	8.50	2.20	12	1.25
8"	7.50	29.00	18.50	15.50	10.63	2.50	12	1.50
10"	9.37	33.00	21.50	18.50	12.75	2.76	16	1.50
12"	11.12	38.00	24.00	21.00	15.00	3.13	20	1.50

FIGURE NUMBER 1506

SIZE	PORT	L	ΦG	ΦJ	ΦI	T	M	ΦN
2"	1.87	14.50	8.50	6.50	3.62	1.50	8	1.00
3"	2.75	18.50	10.50	8.00	5.00	1.89	8	1.35
4"	3.62	21.50	12.25	9.50	6.19	2.13	8	1.38
6"	5.37	27.75	15.50	12.50	8.50	3.25	12	1.50
8"	7.00	32.75	19.00	15.50	10.63	3.62	12	1.75