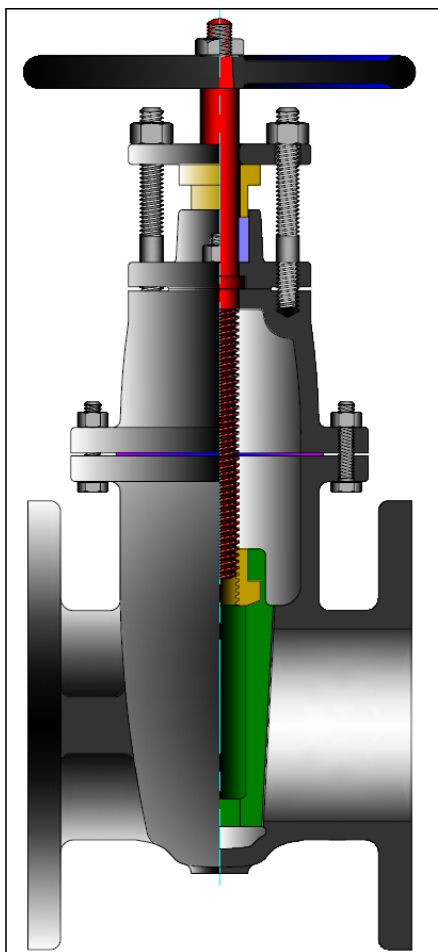


MSS SP-70 GATE VALVES

BOLTED BONNET, FLANGED ENDS

2 - 24" (50 - 600 mm) CLASS 125

CAST IRON NON-RISING STEM



STANDARD MATERIALS

PART	MATERIALS
Body	A126-B
Bonnet	A126-B
Stuffing Box	A126-B
Wedge	A126-B
Wedge Seat Ring	B62
Body Seat Ring	B62
Stem	B16
Gasket	Non-Asbestos
Wedge Nut	B62
Gland Flange	A536-A
Gland Flange Bolt	A307-A
Gland Flange Nut	A563-A
Gland	B62
Packing	Non-Asbestos
Stuffing Box / Bonnet Gasket	Non-Asbestos
Hand Wheel	A126-B
Hand Wheel Nut	A536-A
Body / Bonnet Stud	A307-A
Body / Bonnet Nut	A536-A

Class	Trim	Fig. No.
125	Bronze	1787

DESIGN FEATURES:

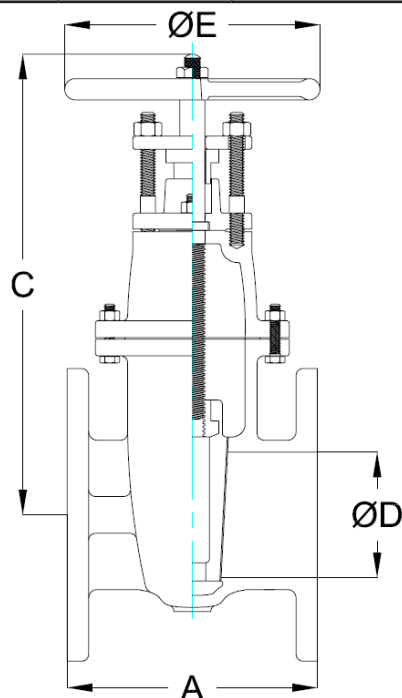
- Seat faces lapped for smooth finish and superior sealing.
- Renewable seat rings.
- Body has 5 tapping bosses.
- Each valve is shell and seat pressure tested per industry standard MSS SP-70.
- Gland is two piece gland / gland flange design for optimal alignment and uniform packing compression.

Design Specifications

Item	Applicable Specification
Wall thickness	ASME B16.1
Pressure - temperature ratings	MSS SP-70
General valve design	MSS SP-70 Type I
End to End dimensions	ASME B16.10
Flange design	ASME B16.1
Materials	ASTM

GATE VALVE DIMENSIONS (CLASS 125)

SIZE	FIG 1787					
in	A	C	D	E	WT	lb
mm						kg
2	7.00	12.3	2.00	7.0	33	240
50	178	312	51	178	15	
2½	7.50	13.3	2.50	7.0	44	390
65	191	337	64	178	20	
3	8.00	15.0	3.00	8.0	55	560
80	203	381	76	203	25	
4	9.00	17.8	4.00	10.0	95	1000
100	229	451	102	254	43	
5	10.00	20.1	5.00	12.0	132	1600
125	254	511	127	305	60	
6	10.50	23.1	6.00	12.0	172	2400
150	267	587	152	305	78	
8	11.50	27.8	8.00	14.0	271	4500
200	292	705	203	356	123	
10	13.00	32.9	10.00	16.0	361	7000
250	330	836	254	406	164	
12	14.00	37.4	12.00	18.0	578	10500
300	356	949	305	457	262	
14	15.00	41.4	14.00	20.0	660	14300
350	381	1051	356	508	299	
16	16.00	46.9	16.00	22.0	1165	18600
400	406	1190	406	559	528	
18	17.00	49.8	18.00	24.0	1462	24500
450	432	1266	457	610	663	
20	18.00	54.9	20.00	24.0	1801	30300
500	457	1394	508	610	817	
24	20.00	64.3	24.00	30.0	2600	43600
600	508	1632	610	762	1179	



C = Center to top open and closed

WT = Weight

C_v = Flow Coefficient