Class 125 Iron Body Gate Valves

Bolted bonnet • non-rising stem • solid wedge • bronze mounted

200 PSI/13.8 bar non-shock cold working pressure from -20°F to 150°F/-29°C to 66°C♦
Maximum working temperature 450°F/232°C at 125 PSI/8.6 bar
125 PSI/8.6 bar saturated steam to 353°F/178°C

CONFORMS TO MSS SP-70

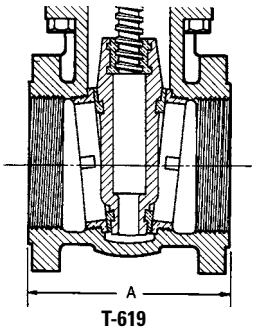
MATERIAL LIST

	PART	SPECIFICATION
1.	Handwheel Nut	Steel ASTM A307
2.	Identification Plate	Aluminum
3.	Handwheel or Square Operating Nut	Cast Iron ASTM A126 Class B
4.	Stem	Brass ASTM B16 Alloy C36000
5.	Gland Follower Nut	Brass ASTM F467 Alloy C27000
6.	Gland Follower	Cast Iron ASTM A126 Class B or Ductile Iron ASTM A536
7.	Gland Follower Bolt	Steel ASTM A307/SAE J429
8.	Packing Gland	Zinc Plated Powdered Iron ASTM B783 or Brass ASTM B16
9.	Stuffing Box	Cast Iron ASTM A126 Class B
10.	Packing	Synthetic Fibers with Graphite
11.	Stuffing Box Gasket	Synthetic Fibers
12.	Bonnet	Cast Iron ASTM A126 Class B
13.	Body Bolt	ASTM A307/SAE J429
14.	Body Gasket	Synthetic Fibers
15.	Body Nut	Steel ASTM A307/SAE J429
16. [1]	Wedge Bushing	Brass ASTM B584 Alloy C84400
17.	Seat Ring	Brass ASTM B584 Alloy C84400
18.	Wedge Face Ring	Brass ASTM B584 Alloy C84400
19. [1]	Wedge	Cast Iron ASTM A126 Class B
20.	Body	Cast Iron ASTM A126 Class B
21.	Stuffing Box Nut	Steel ASTM A307 (not shown) /SAE J429

[1]Sizes thru 6" have Bronze Wedges. Sizes 8" thru 16" made with Cast Iron Wedge with Bronze Bushing and Wedge Face Rings.

NOTE: 14" thru 16" Maximum Steam Rating 100 PSI/6.9 Bar
Maximum Non-Shock Cold Working Pressure 150 PSI/10.3 Bar

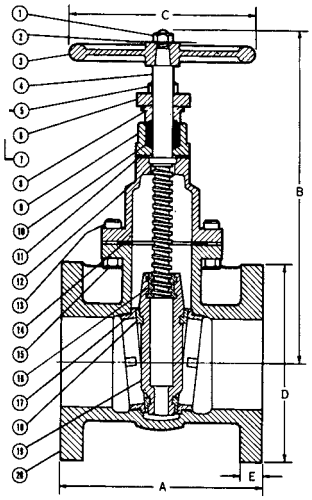
T-619
Threaded



T-619
NPT x NPT

F-619-SON
Flanged
With Square Op. Nut

F-619
Flanged



F-619
Flg x Flg

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions F-619 A		Dimensions T-619 A		B		C		D		E		F-619		T-619	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.
2	50	7.00	178	5.63	143	11.00	279	7	178	6.00	152	.63	16	35	16	25	11
2½	65	7.50	191	5.88	149	12.50	318	7	178	7.00	178	.69	17	49	22	33	15
3	80	8.00	203	6.13	156	13.50	343	8	203	7.50	191	.75	19	60	27	42	19
4	100	9.00	229	6.50	165	15.75	400	10	254	9.00	229	.94	24	90	41	61	28
5	125	10.00	254	x	x	17.00	432	10	254	10.00	254	.94	24	129	59	x	x
6	150	10.50	267	x	x	21.00	533	12	305	11.00	279	1.00	25	161	73	x	x
8	200	11.50	292	x	x	25.00	635	14	356	13.50	343	1.13	29	277	126	x	x
10	250	13.00	330	x	x	29.00	737	16	406	16.00	406	1.19	30	415	188	x	x
12	300	14.00	356	x	x	34.50	876	18	457	19.00	483	1.25	32	631	287	x	x
14	350	15.00	381	x	x	40.38	1026	24	610	21.00	533	1.38	35	869	394	x	x
16	400	16.00	407	x	x	45.75	1162	24	610	23.50	597	1.44	37	1224	555	x	x

x = Not available this size.

Position indicators available. See page 98.

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.

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