

CLASS 125

BRONZE GATE VALVE

Screwed Bonnet, Rising Stem, Designed to MSS SP-80 Type 2
Threaded ends to NPT or solder joint ends.

W.O.G. non-shock 1.38 MPa (200 psi), Saturated steam pressure 0.86 MPa (125 psi)



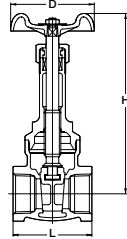
Fig. AK125M

• Threaded end to ASME B1.20.1



Fig. C125M

• Solder joint end to ASME B16.18



Materials

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	Bronze
Disc	Bronze
Gland Packing	Aramid Fibers Graphite

Caution Solder joint end valves should not be used in service where the temperature of line fluid is higher than the softening point of solder.

Dimensions

Nominal Size	inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	mm
L Threaded end to end	51	56	66	68	74	84	115	130		
L1 Solder	49	64	76	82	86	109				
H Height, valve open	129	155	180	216	257	296	371	432		
D Handwheel diam	55	60	70	80	90	100	135	155		

CLASS 125

BRONZE GATE VALVE

Screwed Bonnet, Non-rising Stem,
Designed to MSS SP-80 Type 1A
Threaded ends to NPT or solder joint ends.

W.O.G. non-shock 1.38 MPa (200 psi), Saturated steam pressure 0.86 MPa (125 psi)

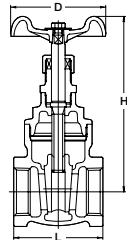


Fig. AK125E

• Threaded end to ASME B1.20.1

Fig. C125E

• Solder joint end to ASME B16.18



Materials

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	Bronze
Disc	Bronze
Gland Packing	Aramid Fibers Graphite

Caution Solder joint end valves should not be used in service where the temperature of line fluid is higher than the softening point of solder.

Dimensions

Nominal Size	inch	3/8	1/2	3/4	1	1 1/4	1 1/2	2	mm
L Threaded end to end	43	49	53	61	64	68	74		
L1 Solder	39	46	60	71	79	88	108		
H Height, valve open	86	93	110	126	145	170	189		
D Handwheel diam	50	55	60	70	80	90	100		

CLASS 150

BRONZE GATE VALVE

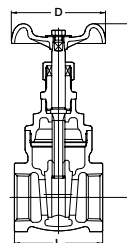
Screwed Bonnet, Non-rising Stem,
Designed to MSS SP-80 Type 1A
Threaded ends to NPT

W.O.G. non-shock 2.07 MPa (300 psi), Saturated steam pressure 1.03 MPa (150 psi)



Fig. AK150E

• Threaded end to ASME B1.20.1



Materials

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	Bronze
Disc	Bronze
Gland Packing	Aramid Fibers Graphite

Dimensions

Nominal Size	inch	3/8	1/2	3/4	1	1 1/4	1 1/2	2	mm
L Threaded end to end	43	49	53	61	68	74	84		
H Height, valve open	86	98	114	126	145	176	201		
D Handwheel diam	50	55	70	70	80	90	100		

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CLASS 150

BRONZE GATE VALVE

Screwed Bonnet, Rising Stem, Designed to MSS SP-80 Type 2
 Threaded ends to NPT or solder joint ends.

W.O.G. non-shock 2.07 MPa (300 psi), Saturated steam pressure 1.03 MPa (150 psi)



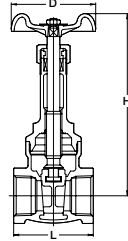
Fig. AK150L

• Threaded end to ASME B1.20.1



Fig. C150L

• Solder joint end to ASME B16.18



Materials

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	Bronze
Disc	Bronze
Gland Packing	Aramid Fibers Graphite

Caution Solder joint end valves should not be used in service where the temperature of line fluid is higher than the softening point of solder.

Dimensions

Nominal Size	inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	mm
	mm	15	20	25	32	40	50	65	80	
L Threaded end to end		51	56	66	68	74	84	120	140	
L1 Solder		49	64	76	82	86	109			
D Height, valve open		137	157	180	216	257	296	385	432	
D Handwheel diam		55	70	70	80	90	100	155	155	

CLASS 150

BRONZE GATE VALVE

Union Bonnet, Rising Stem, Designed to MSS SP-80 Type 2
 Threaded ends to NPT or solder joint ends.

W.O.G. non-shock 2.07 MPa (300 psi), Saturated steam pressure 1.03 MPa (150 psi)



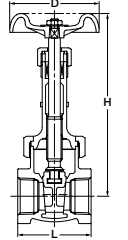
Fig. AK150LU

• Threaded end to ASME B1.20.1



Fig. C150LU

• Solder joint end to ASME B16.18



Materials

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	Bronze
Disc	Bronze
Gland Packing	Flexible graphite & Aluminum

Caution Solder joint end valves should not be used in service where the temperature of line fluid is higher than the softening point of solder.

Dimensions

Nominal Size	inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	mm
	mm	15	15	15	20	25	32	40	50	
L Threaded end to end		45	46	51	56	66	68	74	84	
L1 Solder				49	64	76	82	86	109	
D Height, valve open		108	108	137	157	180	216	257	297	
D Handwheel diam		50	50	55	70	70	80	90	100	

CLASS 300

BRONZE GATE VALVE

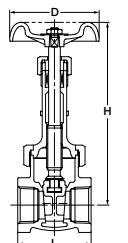
Union Bonnet, Rising Stem, Designed to MSS SP-80 Type 2
 Threaded ends to NPT

W.O.G. non-shock 6.89 MPa (1000 psi), Saturated steam pressure 2.07 MPa (300 psi)



Fig. AK300LU

• Threaded end to ASME B1.20.1



Materials

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	Bronze
Disc	Copper-nickel alloy
Gland Packing	Flexible graphite & Aluminum

Dimensions

Nominal Size	inch	3/8	1/2	3/4	1	1 1/4	1 1/2	2	mm
	mm	10	15	20	25	32	40	50	
L Threaded end to end		46	51	56	66	74	84	98	
H Height, valve open		125	149	173	194	228	274	313	
D Handwheel diam		60	70	80	80	100	115	135	