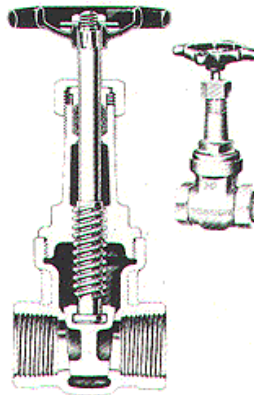
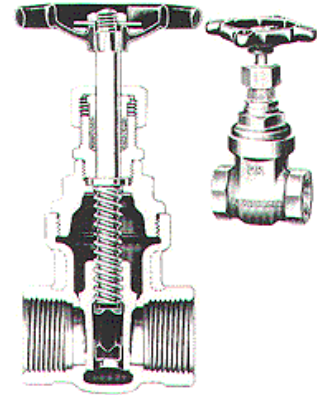


Rising stem
Uni-ball disc
Fig 2125



Rising stem
Solid wedge disc
Fig 2127



Non-rising stem
Single wedge disc
Fig 2129

Bronze bonnet gate valves are designed for steam, water, gas, oil and other general services. Valves are similar except for screw or solder pipe ends. Rising stems are specified where stem position is used for visually determining whether the valve is open or closed. Non-rising stems are used where headroom is limited. Valves are designed for maximum interchangeability of parts to reduce spare parts inventories.

Bodies Full flow design. Connecting pipe ends will not distort valve seats. Same body is used for both rising and non-rising stem valves insuring interchangeability of trims. Disc guide channels are beveled at top of body for easy assembly.

Bonnets Heavy screw-in bonnet collar with ample thread engagement insures a tight body collar joint. Wide flats provide a firm wrench hold for disassembling valve.

Stems Resistant to wear, corrosion and embrittlement. Long, accurately machined

threads provide full thread contact. Heavy disc-stem connection withstands wearing action when opening valve and prevents stem failure under strain. Rising stems have a backseat surface above the stem threads where it is less exposed to scale and damage from line debris.

Discs for rising stems Two types: Double wedge discs (Uni-ball construction). Consist of two separate disc faces with an integral ball and socket connection between them; faces readily adjust to body seat taper, insuring tight closure. Sturdy disc collar strengthens disc-stem connection. Easy to assemble and with valve wide open the discs are drawn up into the bonnet and cannot drop off stem. Wing guides mate with channels in the body to hold the halves together and guide them during opening and closing.

Solid wedge discs Accurately machined with disc-wing guides that conduct the disc to a firm, tight seat. Ideal for food processing lines

and handling gummy substances where entrapment of line materials within the disc is undesirable.

Discs for non-rising stems Single wedge discs are threaded to engage with thread on stem, raising or lowering disc as stem is turned. Threads are long enough to be fully engaged whether valve is open or closed. Disc has wing guides which mate with channels in the body.

Seats Integral. Accurately tapered to insure perfect seating of the discs.

Repacking Valves are repackable under pressure when wide open. Deep stuffing box and packing nut insure firm thread engagement when fully packed. Back seats above stem threads make scale formation unlikely and provide a tight seal.

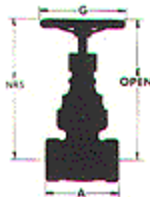
Hexagon head gland Permits the use of a light wrench to easily loosen and raise gland.

Non-slip handwheel Insures tight closing.

Principal Parts and Materials

Part	Fig	Material	ASTM
Body & Bonnet	All	T-1 Bronze	B62
Disc	All	T-1 Bronze	B62
Stem	All	Stemalloy, Cast (C87500)	B371
Packing	All	JC 168 Kevlar	-

These valves comply with ANSI B16.24 and MSS-SP 80



Dimensions in inches Weights in Pounds

Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
A	1 7/8	2	2 3/16	2 1/2	2 13/16	3 3/16	3 3/8	3 11/16	4 1/16	5 1/4
E	4 9/16	4 9/16	5 5/16	6 5/8	7 7/8	9 1/8	10 7/16	12 3/4	15 1/16	17 5/16
F NRS	3 5/8	3 5/8	4 3/16	5	5 3/4	6 7/16	7 1/4	8 5/8	9 13/16	11 1/16
G	2 1/4	2 1/4	2 1/2	3	3 1/2	4 1/8	4 5/8	5 1/8	5 1/2	6
Fig 2125 Wts	.8	.9	1.3	2.0	3.0	4.3	6.0	9.4	15.0	22.0
Fig 2127 Wts	.8	.9	1.2	2.0	2.9	4.2	6.1	9.8	15.0	22.0
Fig 2129 Wts	.8	.8	1.2	1.9	2.7	3.9	5.6	8.6	13.5	20.0

