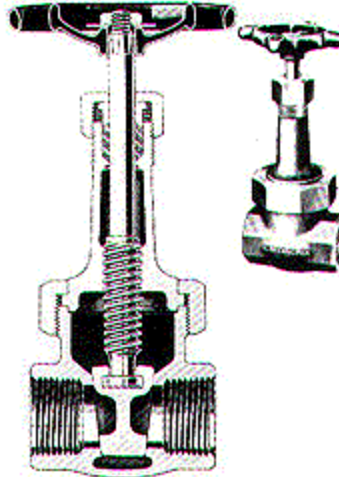


Rising stem
Uni-ball disc
Fig 3125



Rising stem
Solid wedge disc
Fig 3127

Union bonnet valves provide strong, safe reliable service in industrial applications. The bonnet is centered by a lip extended into the neck of the valve, securely held in place so that it cannot be accidentally backed out of position.

Bonnets Union Design Heavy bonnets rings are octagonal to provide a firm wrench hold and increase strength.

Bodies Full, cylindrical body minimizes distortion. Octagonal pipe ends. Diaphragm configuration practically eliminates distortion of diaphragms by pipe ends. Disc guide channels are beveled at top of body for easy assembly.

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 to prevent stem failure under strain.

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

Discs Renewable. Two types:
Double wedge (Uni-ball construction) Disc readily adjusts to the seat taper, insuring a tight valve. Sturdy disc collar strengthens disc-stem connection. Easy to assemble and

with valve wide open the disc is drawn up into the bonnet and cannot drop off stem.

Solid wedge 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.

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

Hexagon head gland Permits the use of a light wrench to 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, Rod (C69700)	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
A	1 ¹⁵ / ₁₆	1 ¹⁵ / ₁₆	2 ⁵ / ₁₆	2 1/2	2 ¹³ / ₁₆	3	3 ³ / ₈	3 ⁷ / ₈
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
G	2 1/4	2 1/4	2 1/2	3	3 1/2	4 ¹ / ₈	4 ⁵ / ₈	5 ¹ / ₈
Fig 3125 Wts	1.1	1.1	1.5	2.3	3.2	4.9	6.7	11.0
Fig 3127 Wts	1.1	1.0	1.5	2.2	3.2	4.8	6.8	11.0

