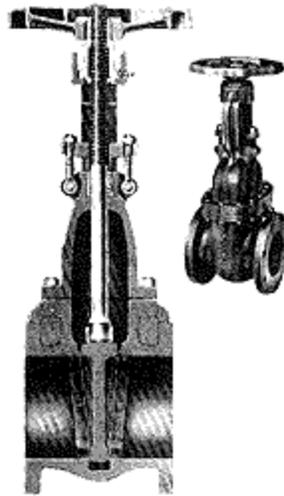


Outside screw and yoke
Flanged end
Fig 1430 IBBM



Outside screw and yoke
Flanged end
Fig 1578 iron
Fig 1578N-4 MO stainless trim

This series of bolted bonnet gate valves are outside screw and yoke type with flanged ends. Two body-trim combinations: All-iron or iron body with bronze mountings (IBBM), the latter recommended for general use on steam, water, air, oil, and gas lines.

Body and bonnet Close-grained cast iron or a corrosive-resistant 3% nickel iron alloy. Bolted bonnets. Flanged ends make valves easy to install or remove in general use or corrosive service. Two supporting webs between pipe flanges and body flange help strengthen valve against pipe line strain.

Stem Outside screw and yoke design places stem outside bonnet away from corrosive fluids. Acme standard threads with long engagement in yoke bushing.
For all-iron-valves Steel. Chemically treated with phosphate to inhibit rust.

For IBBM valves Manganese bronze in 2"-12" sizes, "Stemalloy" in larger sizes. Resistant to wear, corrosion, embrittlement.

Discs Solid wedge design will not distort with temperature variations.

For all-iron valves Iron, solid wedge.
For IBBM valves Solid bronze in 2" and 2 1/2" size. Iron with bronze faces in 3" and larger sizes.

Seats seat rings heavily constructed and rectangular in section, renewable if needed. Seat face inner rings seat against solid walls of body recess.

For iron valves Screw in, iron seat rings.
For IBBM valves Screw in bronze seat rings.

Repacking Swing gland bolts and shelves facilitate repacking. Large stuffing boxes; repackable under pressure when wide open.

Flanges Conform to American Standard Face to Face Dimensions, Ferrous Flanged Valves (ANSI B16.10-1973) for 125 lb Cast Iron Wedge Gate Valves. Dimensions, drilling and facing of flanges conform to American Cast Iron Flange Standard, Class 125 (ANSI B-16.1-1967). Have plain face with smooth finish.

Principal Parts and Materials

Part	Fig/Sizes	Material	ASTM
Body & Bonnet	1430	Cast Iron	A-126
	1578 1578N-4	Cast Iron 3% Nickel Iron	A-126 -
Disc	1430	Bronze	A-126
	1578	Cast Iron	A-351- A-182
	1578N-4	Stainless Steel	A-371
Stem	1430<12"	Manganese Bronze	B-147 B138
	1430>12"	Stemalloy - C69700	B371
	1578	Steel	A108 Gr
	1578N-4	Stainless Steel 316	B1112 A-276
Seat Ring	1430	Bronze	B-62
	1578 1578N-4	Cast Iron Stainless Steel 316	A-126 A182 A351
Packing	1430	Non-Asbestos Braided Fiber	-
	1578	Non-Asbestos Braided Fiber	-
	1578N-4	Non-Asbestos Braided Fiber	-
Gasket	All	Non-Asbestos Sheet	-

These valves comply with ANSI B-16.1 and B-16.10.

Dimensions in inches Weights in Pounds

Size	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
B	7	7½	8	9	10	10½	11½	13	14	15	16	17	18	20
F	15 ¹ / ₈	16 ⁹ / ₁₆	18 ¹⁵ / ₁₆	23 ³ / ₄	27 ¹⁵ / ₁₆	32½	40 ⁷ / ₈	49 ³ / ₈	57 ⁵ / ₈					
H	8	8	8	10	12	12	14	16	18	20	24	26	28	30
Fig 1430 Wts	35.0	48.0	58.0	100.0	142.0	192.0	310.0	465.0	682.0	898.0	1213.0	1587.0	2018.0	3149.0
Fig 1578 Wts	35.0	47.0	57.0	100.0	145.0	191.0	310.0	462.0	678.0	886.0	1206.0	-	-	-

