



Non-rising stem
Single wedge disc
Screw-in bonnet
Fig 771

Designed to withstand severe operating conditions. Renewable discs and seats.

Bodies Proportioned for maximum strength, made of corrosion-resistant steam bronze. Extra length pipe threads prevent pipe ends from jamming against seats.

Seats Two types available:

Renewable nickel alloy rings In 1-inch and larger sizes.

Integral seats. In smaller sizes, precision tapered for accurate seating.

Discs Renewable; 1-inch and larger are of

nickel alloy with improved flexibility for easier, tighter closing. Discs are bronze in smaller sizes.

Screw-in bonnets Heavy bonnet collar with ample thread engagement insures a tight body-bonnet joint.

Repacking Stuffing boxes are deep and valves are repackable under pressure when wide open. Back seats above stem threads make scale formation unlikely and provide a tight seal.

Stems Resistant to wear, corrosion and embrittlement. Long, accurately machined threads provide full thread contact. Heavy, disc-stem connection withstands wearing action when operating valve and prevents stem failure under strain.

Hexagon head glands Permit the use of a light wrench to loosen and raise gland.

Non-slip handwheel Insures tight closing.

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	2 ^{5/16}	2 ^{7/16}	2 ^{3/4}	3 ^{1/16}	3 ^{13/16}	4 ^{3/16}	4 ^{9/16}	5 ^{1/8}	5 ^{13/16}	6 ^{1/4}
E	4 ^{3/4}	4 ^{3/4}	5 ^{1/4}	6 ^{1/4}	7 ^{1/2}	8 ^{1/2}	9 ^{1/2}	10 ^{3/4}	12 ^{1/8}	13 ^{9/16}
G	2 ^{1/2}	2 ^{1/2}	3	3 ^{1/2}	4 ^{1/8}	4 ^{5/8}	5 ^{1/8}	5 ^{1/2}	7	8
Fig 771 Wts	1.4	1.5	2.0	3.5	5.9	8.0	11.0	16.8	29.0	39.0



Principal Parts and Materials

Part	Fig/Sizes	Material	ASTM
Body & Bonnet	All	S-1 Steam Bronze	B61
Disc	≥ 1" < 1"	Nickel Alloy NT-4 Bronze	- B61
Stem	All	Stemalloy, Cast (C87500)	B584
Seat Ring	≥ 1" < 1"	Nickel Alloy NT-4 Bronze (Integral)	- B61
Packing	All	JC 168 Kevlar	-

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

