

Bronze Threaded, Solder and Grooved Ball Valves

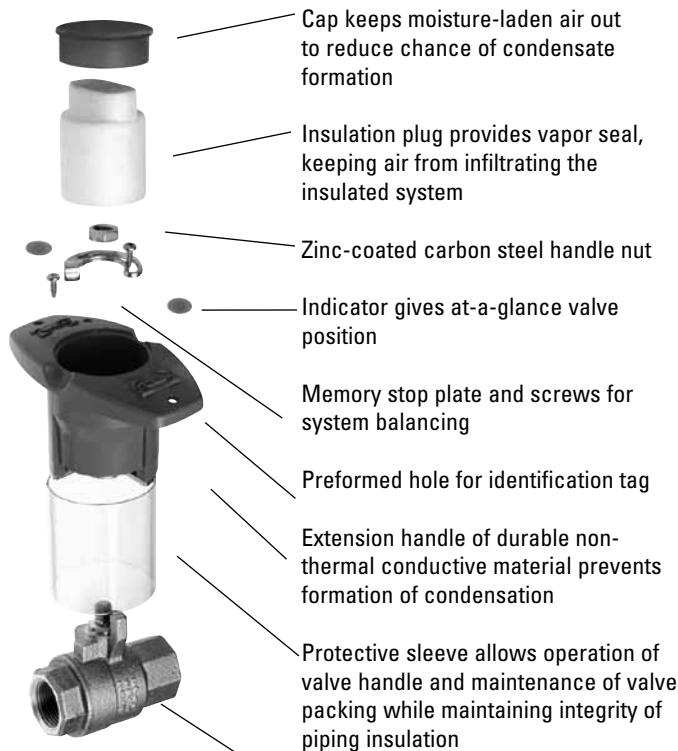
NIB-SEAL® Technical Data

NIBCO® bronze ball valves installed with NIB-SEAL® insulated handles are the only approach that keeps your insulated piping system completely intact.

The revolutionary NIB-SEAL bronze ball valve stops condensate, cold. Its unique thermal barrier design keeps moisture from infiltrating your insulated system while preventing thermal energy loss through exposed metal handles.

Designed for new installations or retrofitting existing systems, NIB-SEAL bronze ball valves offer a wide range of advantages for typical commercial HVAC systems as well as industrial applications where insulated piping is desirable.

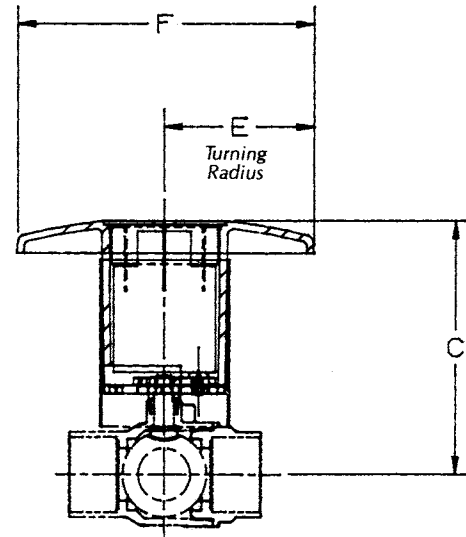
- Protective sleeve provides a stationary surface to affix the insulation, allowing operation and maintenance of the valve without destroying the integrity of the insulated system.
- High-strength cylindrical handle design features easy access to standard adjustable memory stop for system balancing. The valve packing is also readily accessible for routine maintenance.
- Cap and insulating plug provide a vapor seal to prevent exchange of air, to maximize the efficiency of your insulated piping system.
- Position indicators allow at-a-glance determination of whether valve is in open or closed position.
- Preformed hole allows for convenient tagging.



Temperature range: 15° F to 250° F

Not intended for steam applications in excess of 15 PSI

NIBCO® two-piece or three-piece bronze ball valve is an integral part of the NIB-SEAL valve system



Dimensions

Size	Valve Series 580-70*/590*			Valve Series 585-70/595		
	C	E	F	C	E	F
1/4	—	—	—	3/4	23/16	4 1/4
3/8	—	—	—	3/4	23/16	4 1/4
1/2	3/4	23/16	4 1/4	3/4	23/16	4 1/4
3/4	3/4	23/16	4 1/4	4	23/16	4 1/4
1	4	23/16	4 1/4	4 1/4	23/16	4 1/4
1 1/4	4 1/4	23/16	4 1/4	5 3/8	3 3/8	6 1/2
1 1/2	5 3/8	3 3/8	6 1/2	5 9/16	3 3/8	6 1/2
2	5 9/16	3 3/8	6 1/2	5 7/8	3 3/8	6 1/2
2 1/2	5 7/8	3 3/8	6 1/2	—	—	—

*Use 585-70/595 for 1/4" - 1"

For bronze ball valves with factory-installed NIB-SEAL insulated handle, order appropriate NIBCO valve figure number with suffix "NS."

Example: T-585-70-NS, 1/2"

NIB-SEAL on sweat ball valves are shipped unassembled.

Sample Specification

For piping systems requiring up to 2" of insulation, specify an extended-handle bronze ball valve that offers a vapor seal, adjustable memory stop and convenient valve packing maintenance—all without disturbing the insulation. Specify NIB-SEAL insulated handle.

Example: T-585-70-NS

U.S. PATENT 5,236,006