NIBCO
AHEAD OF THE FLOW®

NIB-SEAL® Insulated Handle System

APPLICATIONS

The revolutionary NIB-SEAL® insulated handle system used with a NIBCO 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.

In addition, the NIB-SEAL® handle was tested to UL 2043 and is UL listed for installation in air-handling spaces (plenums).

MATERIALS & CONSTRUCTION

- Cap and insulation plug creates vapor barrier
- Position indicator provides at-a-glance valve position
- Memory stop enables system balancing
- Non-conductive CPVC handle prevents formation of condensation
- Insulation sleeve allows operation while maintaining insulation integrity
- Works with 2-piece or 3-piece NIBCO bronze ball valve – factory or field installed



CLASSIFIED C UL US

NIB-SEAL® Handle



Memory stop enables system balancing



S-595-Y-LF-NS



T-585-70-NS

NIB-SEAL® Handles fit NIBCO 2-pc and 3-pc Ball Valves

Bronze Threaded, Solder, NIBCO® Press System® 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® insulated handle system used with a NIBCO 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.

In addition, the NIB-SEAL® handle was tested to UL 2043 and is UL listed for installation in air-handling spaces (plenums).

- Protective sleeve provides a stationary surface to affix the insulation, allowing operation 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.
- 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.



Cap keeps moisture-laden air out to reduce chance of condensate formation

Insulation plug provides vapor seal, keeping air from infiltrating the insulated system

Handle nut

Indicator gives at-a-glance valve position

Memory stop plate and screws for system balancing

Preformed hole for identification tag

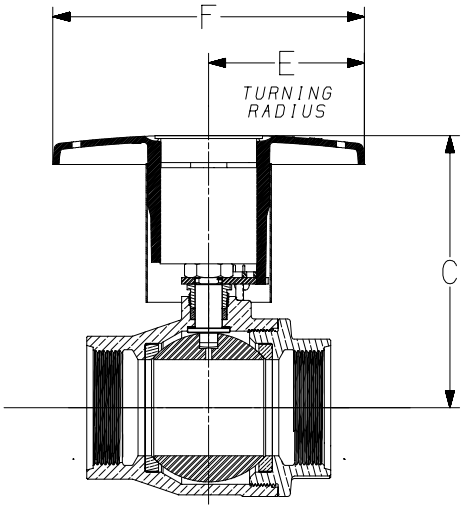
Extension handle of durable non-thermal conductive CPVC prevents formation of condensation

Protective sleeve allows operation of valve handle and maintenance of valve packing while maintaining integrity of piping insulation

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

Temperature range: 15° F to 250° F

Not intended for steam applications in excess of 15 PSI



	Dimensions					
	Valve Series 580-70*/590*			Valve Series 585-70/595		
Size	C	E	F	C	E	F
.250	—	—	—	3.750	2.188	4.25
.375	—	—	—	3.750	2.188	4.25
.500	3.750	2.188	4.25	3.750	2.188	4.25
.750	3.750	2.188	4.25	4.000	2.188	4.25
1.000	4.000	2.188	4.25	4.25	2.188	4.25
1.250	4.250	2.188	4.25	5.375	3.375	6.50
1.500	5.375	3.375	6.50	5.563	3.375	6.50
2.000	5.563	3.375	6.50	5.875	3.375	6.50
2.500	5.875	3.375	6.50	—	—	—

*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 a non-conductive CPVC extended-handle bronze ball valve tested to UL 2043, is UL listed for installation in air handling spaces (plenums),that offers a vapor seal, adjustable memory stop, position indicators and convenient valve packing maintenance—all without disturbing the insulation. Specify NIB-SEAL® insulated handle.

Example: T-585-70-NS