

NIBCO®

Specified Valve Index



Business-to-Business Solutions

Look to NIBCO for technology leadership.

The velocity with which e-business evolves demands that new products and services be continuously developed and introduced to keep our customers at the center of our business efforts. NIBCO provides an entire suite of business-to-business solutions that is changing the way we interact with customers.



[NIBCOpartner.comSM](#) is an exclusive set of secure web applications that allow quick access to customer-specific information and online order processing. This self-service approach gives you 24/7 access to your order status putting you in total control of your business.

Real time information includes:

- Online order entry
- Viewable invoices & reports
- Inventory availability
- Current price checks
- Order status
- Online library of price sheets, catalogs & submittals



Electronic Data Interchange (EDI) makes it possible to trade business documents at the speed of light. This technology cuts the cost of each transaction by eliminating the manual labor and paperwork involved in traditional order taking. This amounts to cost-savings, increased accuracy and better use of resources.

With EDI, you can trade:

- Purchase orders
- PO Acknowledgements
- Invoices
- Product activity data
- Advanced ship notices
- Remittance advice



Vendor Managed Inventory (VMI), a sophisticated service for automated inventory management, reduces your overhead by transferring inventory management, order entry and forecasting to NIBCO. This is an on-going, interactive partnership with NIBCO.

Through automation, VMI brings results:

- Improves customer service
- Optimum inventory efficiencies
- Better forecasting
- Cuts transaction costs
- Peace of mind
- Relief from day-to-day management



Since 1904, NIBCO® has been meeting the demands of its customers with products that are crafted with pride and quality workmanship. Today NIBCO remains a privately owned, Midwest-based company, with a tradition of manufacturing excellence that spans four generations of family ownership.



This comprehensive valve index was designed to help you quickly identify pressure-rated metal valves for a variety of commercial construction applications. Our products are grouped into five categories: ball, butterfly, gate, globe & check valves. They are backed by a 125% product warranty and a knowledgeable technical service team that is only a phone call away.



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Lead-Free* Catalog Markings:



Manufactured from the HydraPure® silicon Performance Bronze™ alloy

LEAD-FREE*

Third-Party certified as lead-free



Does not contain lead

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.

Commercial/Mechanical/Potable Water/Industrial Services Bronze, Carbon and Stainless Steel Ball Valves

The NIBCO® ball valve line is one of the most specified mechanical service lines in use today. Specifying engineers recognize our bronze two-piece ball valves by name and have made them the choice in building service and general utility service applications. These versatile valves are specified worldwide in applications such as:

- Hot and cold water (including drinking water)
- Condenser and chilled water
- Hot water heating
- Low & medium pressure steam
- Fire protection control and trim & drain
- Compressed air
- Vacuum
- Natural and LP gas
- Medical gas systems
- Process piping

Why Engineers Specify NIBCO Ball Valves:

- Full Port—high flow coefficient, less pressure drop
- Conventional Port—non-critical flow requirements
- All valves have blowout proof stems
- Bronze valves are “Dezincification-Resistant”
- NIB-Seal® Insulated Extended Handle System
- Multiple design options and application specific features
- Authority in lead-free* products and alloys



To download the most current submittal sheet, go to:
www.nibco.com

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T-560-BR-R20/Y20
T-560-BR-R66/Y66



600 PSI CWP
1-Piece Bronze Body
Reduced Port
Bronze Stem, Brass Ball or
SS Stem, SS Ball
PTFE/RPTFE Seat
Threaded Connection
MSS SP-110
1/4" - 2"

T/S-580-70
T/S-580-70-66



600 PSI CWP/150 PSI SWP
2-Piece Bronze Body
Conventional Port
Bronze or SS Stem,
Chrome Plated or SS Ball
Threaded or Solder Connection
MSS SP-110
1/4" - 3"

 **T/S-580-80-LF**
T/S-580-66-LF
LEAD-FREE*



600 PSI CWP
2-Piece Bronze Body
Conventional Port
Bronze or SS Stem,
Bronze or SS Ball
Threaded or Solder Connection
MSS SP-110
NSF/ANSI 372
NSF/ANSI 61-8
1/4" - 3"

T/S-585-70
T/S-585-70-66



600 PSI CWP/150 PSI SWP
2-Piece Bronze Body
Full Port
Bronze or SS Stem,
Chrome Plated or SS Ball
Threaded or Solder Connection
MSS SP-110
1/4" - 2"

 **T/S-585-80-LF**
T/S-585-66-LF
LEAD-FREE*




600 PSI CWP
2-Piece Bronze Body
Full Port
Bronze or SS Stem,
Bronze or SS Ball
Threaded or Solder Connection
MSS SP-110
NSF/ANSI 372
NSF/ANSI 61-8
IGC-157
1/4" - 2"

T/S-585-70-HC
T/S-585-70-66-HC



600 PSI CWP
2-Piece Bronze Body
Full Port
Bronze Stem,
Chrome Plated Ball or
SS Stem, SS Ball
Threaded or Solder Connection
MSS SP-110
1/2" - 3/4"
Hose Cap and Chain

 **T/S-585-80-LF-HC**
T/S-585-66-LF-HC
LEAD-FREE*



600 PSI CWP
2-Piece Bronze Body
Full Port
Bronze or SS Stem,
Bronze or SS Ball
Threaded or Solder Connection
X 3/4" Hose Connection
MSS SP-110
NSF/ANSI 372
NSF/ANSI 61-9
IGC-157
1/2" and 3/4"
Hose Cap and Chain

PC585-70
PC585-70-66



Valve rated to 600 PSI CWP;
Press ends rated to 250 PSI CWP
2-Piece Bronze Body
Full Port, Bronze Stem Chrome
Plated Brass Ball
or SS Stem, SS Ball
Female Press End Connections
MSS SP-145
1/2" - 2"

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content $\leq 0.25\%$ per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.

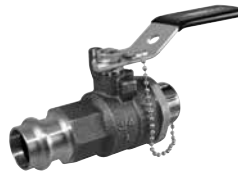


PC585-80-LF
PC585-66-LF
LEAD-FREE*



Valve rated to 600 PSI CWP;
Press ends rated to 250 PSI CWP
2-Piece Bronze Body
Full Port
Bronze or SS Stem,
Bronze or SS Ball
Female Press End Connections
MSS SP-145
NSF/ANSI 372
NSF/ANSI 61-8
IGC-157
1/2" - 2"

PC585-70-HC
PC585-70-66-HC



250 PSI CWP
2-Piece Bronze Body
Full Port
Bronze Stem,
Chrome Plated Ball or
SS Stem, SS Ball
Female Press End Connection
MSS SP-145
1/2" - 3/4"
Hose Cap and Chain



PC585-80-LF-HC
PC585-66-LF-HC
LEAD-FREE*



600 PSI CWP;
Press end rated to 250 PSI CWP
2-Piece Bronze Body
Full Port
Bronze or SS Stem,
Bronze or SS Ball
Female Press End Connection
X 3/4" Hose Connection
MSS SP-145
NSF/ANSI 372
NSF/ANSI 61-9
IGC-157
1/2" and 3/4"
Hose Cap and Chain

TS/ST-585-70



600 PSI CWP/150 PSI SWP
2-Piece Bronze Body
Full Port, Bronze Stem, Chrome
Plated Ball
Threaded x Solder or
Solder x Threaded Connection
MSS SP-110
1/2" - 2"

MTT-585-70



600 PSI CWP/150 PSI SWP
2-Piece Bronze Body
Full Port
Bronze Stem, Chrome Plated Ball
Male x Female Threaded End Connection
MSS SP-110
1/2" - 2"

T-585-70-CP



600 PSI CWP/150 PSI CWP
2-Piece Bronze Body w/ Chrome Plating
Full Port
Bronze Stem, Chrome Plated Ball
Threaded Connection
MSS SP-110
1/2" - 2"

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T/S-585-70-SU



600 PSI CWP/150 PSI SWP
2-Piece Bronze Body
Full Port
Bronze Stem
Chrome Plated Ball
Thrd x Thrd, S x S,Thrd x S,
S x Thrd Connections
MSS SP-110
1/2" - 2"
Single Union

T-585-70-66-ST



600 PSI CWP/**250 PSI SWP**
2-Piece Bronze Body
Full Port
SS Stem, SS Ball
Threaded Connection
MSS SP-110
1/2" - 2"
Carbon-filled PTFE seats

T-580-70-SV*



T-585-70-SV
600 PSI CWP
2-Piece Bronze Body w/
Safety Vent
Full Port 1/2" - 1"
Conventional Port 1 1/4" - 2"
Bronze Stem
Chrome Plated Ball
Threaded Connection
MSS SP-110
OSHA 1910.147
1/2" - 2"

T-580-70-UL*



T-585-70-UL
250 PSI Non-Shock LP Gas
2-Piece Bronze Body
Full Port 1/4" - 1",
Conventional Port 1 1/4" - 3"
Bronze stem
Chrome Plated Ball
Threaded Connection
MSS SP-110
ANSI/ASME B 16.33,
CGA3.16, UL842 Valves for
Flammable Fluids
1/4" - 3"

TM-585-70-66



600 PSI CWP
150 PSI SWP
2-Piece Bronze Body w/
ISO Direct Mount Actua-
tion Pad per ISO 5211
Full Port 1/2"-2"
Conventional Port 2 1/2"
SS Stem, SS Ball
Threaded Connection
MSS SP-110
1/2" - 2 1/2"

T/S-585-70-W3



T/S-585-70-66-W3
400 PSI CWP
2-Piece Bronze Three Way Body,
Full Port 1/2"-1"
Conventional Port 1 1/4" - 2"
Brass Stem
Chrome Plated Ball
or SS Stem, SS Ball
Threaded or Solder Connection
MSS SP-110
1/2" - 2"

KT/KG-505-W-4/W-8



300 PSI WWP
2-Piece UL/FM with or
without Tamper Switches
Full Port
1" - 2 1/2" Threaded
2" - 2 1/2" Grooved
UL Listed For Indoor and
Outdoor Use
California State Fire Marshall Listed
Approved by NYC M.E.A.

KT-580-70-UL



KT585-70-UL
300 PSI WWP
2-Piece Bronze Fire Protection Trim Valve
Full port 1/4" - 1"
Conventional Port 1 1/4" - 3"
Bronze Stem
Chrome Plated Brass Ball
Threaded Connection
MSS SP-110
UL Listed For Trim and Drain (UL Subject 258)
FM Approved

T/S-590-Y



T/S-590-Y-66

600 PSI CWP/150 PSI SWP
3-Piece Bronze Body
Full Port 1/4" - 1"
(T/S595Y-66)
Conventional Port 1 1/4" - 3"
Bronze Stem,
Chrome Plated Brass Ball
or SS Stem, SS Ball
Threaded or Solder Connection
MSS SP-110
1/4" - 3"

G-590-Y



G-590-Y-66

600 PSI CWP
3-Piece Bronze Body
Conventional Port
Bronze Stem
Chrome Plated Brass Ball or
SS Stem, SS Ball
Grooved Connection
MSS SP-110
1 1/2" - 3"

T/S-595-Y



T/S-595-Y-66

600 PSI CWP/150 PSI SWP
3-Piece Bronze Body
Full Port, Bronze Stem
Chrome Plated Brass Ball or
SS Stem, SS Ball
Threaded or Solder Connection
MSS SP-110
1/4" - 2 1/2"



T/S-595-Y-LF



T/S-595-Y-66-LF
LEAD-FREE*

600 PSI CWP
3-Piece Bronze Body
Full Port, Bronze Stem
Bronze or SS Stem,
Bronze or SS Ball
Threaded or Solder Connection
MSS SP-110
NSF/ANSI 372
NSF/ANSI 61-8
1/4" - 2 1/2"

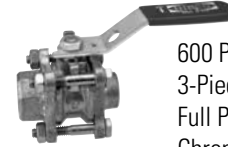
T-595-Y-SS



T-595-Y-66-SS

600 PSI CWP/150 PSI SWP
3-Piece Body
Full Port, Bronze Stem
Chrome Plated Ball or
SS Stem, SS Ball
Threaded Only
MSS SP-110
1/4" - 2 1/2"
SS Externals

TS-595-Y



600 PSI CWP/150 PSI SWP
3-Piece Bronze Body
Full Port, Bronze Stem
Chrome Plated Ball
Thread x Solder Connection
MSS SP-110
1/4" - 2"

G-595-Y



G-595-Y-66

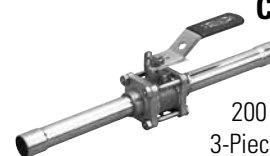
600 PSI CWP
3-Piece Bronze Body
Full Port, Bronze Stem
Chrome Plated Brass Ball or
SS Stem, SS Ball
Grooved Connection
MSS SP-110
1 1/2" - 2 1/2"

T-595-Y-UL



175 PSI Non-Shock LP Gas
3-Piece Bronze Body
Full Port, Bronze Stem
Chrome Plated Brass Ball
Threaded Connection
MSS SP-110
UL842
1/4" - 2"

CS-595-YX/EC



CS-595-YX-66/EC

600 PSI CWP
200 PSI Medical Gas
3-Piece Bronze Body w/
Copper Stub Ends
Full Port, Bronze Stem
Chrome Plated Brass Ball
or SS Stem, SS Ball
Straight or Expanded Connection
MSS SP-110
NFA 99C and
CGA Pamphlet G-4-1
1/2" - 2"

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T-560-CS-R-25/66-LL



2000 PSI CWP
1-Piece Carbon Steel Body
Locking Lever Handle
Reduced Port
CS Stem or
SS Stem, SS Ball
PTFE Packing, RPTFE Seat
Threaded Connection
MSS SP-110
1/4" - 2"

T-560-CS-R-25/66-FS-LL



2000 PSI CWP
1-Piece Carbon Steel Body
Locking Lever Handle
Reduced Port
Carbon Steel Stem or
SS Stem, SS Ball
Graphoil Packing, RPTFE Seat
Threaded Connection
MSS SP-110
API 607 4th ed. Fire Safe
1/4" - 2"

T-570-CS-R-25/66



2000 PSI CWP 1/2" - 1"
1500 PSI CWP 1 1/4" - 2"
1-Piece CS Bar
Stock Body
Reduced Port
CS Stem, CS Ball or
SS Stem, SS Ball
RPTFE Packing & Seat
Threaded Connection
MSS SP-110
1/2" - 2"

TC-580-CS-R-25-LL/66-LL



2000 PSI CWP
2-Piece Carbon Steel Body
Mounting Pad
Locking Lever Handle
Conventional Port
CS Stem or SS Stem
SS Ball
Carbon-Filled PTFE Packing
RPTFE Seat
Threaded Connection
MSS SP-110
1/4" - 2"

T-580-CS-R-25/66



2000 PSI CWP 1/4" - 1"
1500 PSI CWP 1 1/4" - 2"
2-Piece Carbon Steel Body
Conventional Port
CS Stem or SS Stem
SS Ball
RPTFE Packing & Seat
Threaded Connection
MSS SP-110
1/4" - 2"

TM/KM/BM-590-CS-R-66-FS-LL



2000 PSI CWP
3-Piece CS Body
ISO Actuation
Mounting Pad
Locking Lever Handle
Conventional Port
Graphite Packing
SS Stem, SS Ball
Threaded, Socket Weld or
Butt Weld Connection
MSS SP-110, MSS SP-72
API 607 4th ed. Fire Safe
API 608 Anti-Static
1/2" - 2"

T/K-595-CS-R-66-LL



1000 PSI CWP
3-Piece Carbon Steel Body
Locking Lever Handle
Full Port
SS Stem, SS Ball
Threaded or Socket Weld Connection
MSS SP-110
1/4" - 2"

TM/KM-595-CSR-66



1000 PSI CWP
3-Piece CS Body
ISO Actuation Mounting Pad
Carbon-Filled PTFE Packing
RPTFE Seat, Full Port
SS Stem, SS Ball
Threaded or Socket Weld Connection
MSS SP-110
1/4" - 2"



**NIBCO® carbon
and stainless steel
ball valves do not
contain lead.**

T-560-S6-R-66-LL



2000 PSI CWP
1-Piece Stainless Steel Body
Locking Lever Handle
Reduced Port
SS Stem, SS Ball
RPTFE Seat, PTFE Packing
Threaded Connection
MSS SP-110
1/4" - 2"

T-560-S6-R-66-FS-LL



2000 PSI CWP
1-Piece Stainless Steel Body
Locking Lever Handle
Reduced Port
SS Stem, SS Ball
RPTFE Seat, Graphoil Packing
Threaded Connection
MSS SP-110
API-607 Fire Safe
1/4" - 2"

T-580-S6-R-66



2000 PSI CWP
2-Piece Stainless Steel Body
Locking Lever Handle
Reduced Port
SS Stem, SS Ball
Carbon-Filled PTFE Packing
RPTFE Seat
Threaded Connection
MSS SP-110
1/4" - 2"

T-585-S6-R-66-LL



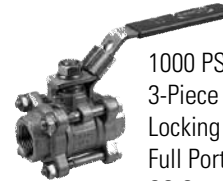
1000 PSI CWP
2-Piece Stainless Steel Body
Locking Lever Handle
Full Port
SS Stem, SS Ball
Carbon-Filled PTFE Packing
RPTFE Seat
Threaded Connection
MSS SP-110
1/4" - 2"

TM/KM/BM-590-S6-R-66-FS-LL



2000 PSI CWP
3-Piece Stainless Steel Body
ISO Mounting Pad
Locking Lever Handle
Conventional Port
SS Stem, SS Ball
Enclosed Bolt Design
RPTFE Seat, Graphite Packing
Threaded, Socket Weld &
Butt Weld Connections
API 607 4th ed. Fire Safe
MSS SP-70 & 72 Butt Weld
API 608 Anti-Static
1/4" - 2"

T/K-595-S6-R-66-LL



1000 PSI CWP
3-Piece Stainless Steel Body
Locking Lever Handle
Full Port
SS Stem, SS Ball
Carbon-Filled PTFE Packing
RPTFE Seat
Threaded & Socket Weld Connections
MSS SP-110
1/4" - 2"

TM/KM-595-S6-R-66



1000 PSI CWP
3-Piece Stainless Steel Body
ISO Mounting Pad
SS Stem, SS Ball
Carbon-Filled PTFE Packing
RPTFE Seat
Threaded & Socket Weld Connections
MSS SP-110
1/4" - 2"



NIBCO® carbon and stainless steel ball valves do not contain lead.

F-510-CS-R-66-FS

285 PSI CWP
1-Piece Carbon Steel Body
Conventional Port
Carbon or SS Ball and Stem
Graphite & Braided Graphite Packing Set
RPTFE Seat
Class 150 ASME B16.5 Flanged Connection
MSS SP-72, ANSI B16.34
API 607 4th ed. Fire Safe
API 608 Anti-Static, API 598
1/2" - 12"



F-510-S6-R-66-FS

285 PSI CWP
1-Piece Stainless Steel Body
Conventional Port
SS Ball and Stem
Graphite & Graphite Braided Packing Set
RPTFE Seat
Class 150 ASME B16.5 Flanged Connection
MSS SP-72, ANSI B16.34
API 607 4th ed. Fire Safe
API 608 Anti-Static, API 598
1/2" - 12"



F-515-CS-F-66-FS

285 PSI CWP
Full Port
2-Piece Carbon Steel Body
SS Ball and Stem
Graphite & Braided Graphite Packing Set
Carbon-Filled PTFE Seat
Class 150 ASME B16.5 Flanged Connection
MSS SP-72, ANSI B16.34
API 607 4th ed. Fire Safe
API 608 Anti-Static, API 598
1/2" - 12"



F-515-S6-F-66-FS

285 PSI CWP
2-Piece Stainless Steel Body
Full Port
SS Ball and Stem
Graphite & Graphite Braided Packing Set
Carbon-Filled PTFE Seat
Class 150 ASME B16.5 Flanged Connection
MSS SP-72, ANSI B16.34
API 607 4th ed. Fire Safe
API 608 Anti-Static, API 598
1/2" - 12"



F-530-CS-R-66-FS

740 PSI CWP
1-Piece Carbon Steel Body
Conventional Port
SS Ball and Stem
Graphite & Braided Graphite Packing Set
RPTFE Seat
Class 300 ASME B16.5 Flanged Connection
MSS SP-72, ANSI B16.34
API 607 4th ed. Fire Safe
API 608 Anti-Static, API 598
1/2" - 10"



F-530-S6-R-66-FS

720 PSI CWP
1-Piece Stainless Steel Body
Conventional Port
SS Ball and Stem
Graphite & Graphite Braided Packing Set
RPTFE Seat
Class 300 ASME B16.5 Flanged Connection
MSS SP-72, ANSI B16.34
API 607 4th ed. Fire Safe
API 608 Anti-Static, API 598
1/2" - 10"



F-535-CS-F-66-FS

740 PSI CWP
2-Piece Carbon Steel Body
Full Port
SS Ball and Stem
Graphite & Graphite Braided Packing Set
Carbon Filled PTFE Seat
Class 300 ASME B16.5 Flanged Connection
MSS SP-72, ANSI B16.34
API 607 4th ed. Fire Safe
API 608 Anti-Static, API 598
1/2" - 12"



F-535-S6-F-66-FS

720 PSI CWP
2-Piece Stainless Steel Body
Full Port
SS Ball and Stem
Graphite & Graphite Braided Packing Set
Carbon-Filled PTFE Seat
Class 300 ASME B16.5 Flanged Connection
MSS SP-72, ANSI B16.34
API 607 4th ed. Fire Safe
API 608 Anti-Static, API 598
1/2" - 12"



**NIBCO® carbon
and stainless steel
ball valves do not
contain lead.**

Circuit Balancing Valves

NIBCO® puts you in control with its circuit balancing valves. These control valves are used to maintain a comfortable indoor climate while saving energy and reducing costs. Engineers specify NIBCO circuit balancing valves for optimum performance because their design ensures trouble-free operation and ease of maintenance in the following systems:

- HVAC
- Plumbing Systems

Why Engineers Specify NIBCO Circuit Balancing Valves?

- Ensures desired flow to boilers and chillers
- Provides desired flow distribution throughout the building
- Comfortable indoor climate
- Globe valve design improves flow measurement accuracy
- Trouble-free operation
- Ease of maintenance



1709

Brass Balancing Valve (Mini)
Dezincification-Resistant Alloy (DZR)
Globe Style
Integral Test Points
Memory Stop Feature
Solder End Only
1/2", 3/4"



S/T1710/1710L

Brass Balancing Valve
Dezincification-Resistant Alloy (DZR)
Globe Style
Integral Test Points
Memory Stop Feature Provides Repeatable Regulation and Control
Solder and Threaded Ends
Available in Low Flow Version (1710L)
Sizes 1/2" - 2"



F737A/G737A

Flanged Class 125
Cast Iron Body and Bonnet
Non-Rising Stem Design
Positive Shut-Off with EPDM Elastomer Disc
Discrete Memory Stop
Also Available in Grooved End (G737A)
Sizes 2 1/2" - 12"

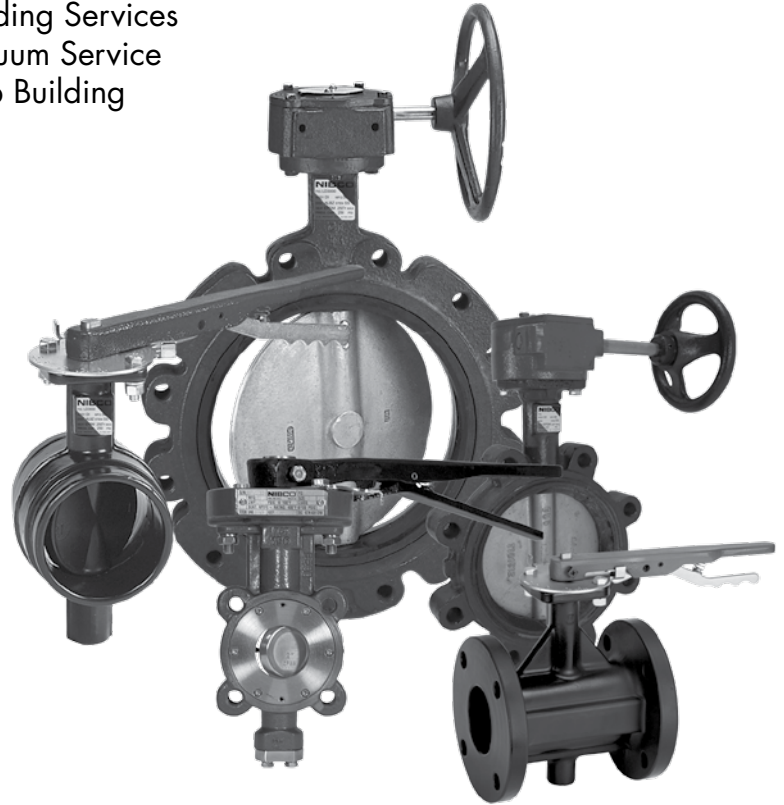
Butterfly Valves

For commercial, mechanical, light industrial and fire protection applications, NIBCO® is THE most specified line of butterfly valves. With more than 60 years of valve experience, NIBCO produces 1,200 butterfly valve options. NIBCO engineers and manufactures standard and assembled-to-order valves for the following applications:

- Hot and Cold Domestic Water
- Compressed Air
- Chemical
- Process Piping
- Isolation & Throttling
- HVAC
- Fire Protection
- Building Services
- Vacuum Service
- Ship Building

Why Engineers Specify NIBCO Butterfly Valves?

- End connections and body styles for variety of applications
- Knowledgeable sales force keeps you up-to-date and experienced in writing specifications
- Lean manufacturing techniques mean short run flexibility and quick start-ups
- Produce standard and assembled-to-order valves
- Designed to comply with recognized standards including MSS, UL/FM, ANSI, API, US Coast Guard
- Dead End Service



GD4765/4775



300 PSI CWP
Grooved Mechanical Style
Ductile Iron Polymid Coated Body
Buna-N Coated Disc
Cold Form Stem Drive
Commercial
Designed to meet MSS SP-67
2" - 12"

GD4765N

LEAD-FREE*



300 PSI CWP
Grooved Mechanical Style
Nylon Coated Ductile Iron Body
Buna-N Coated Disc
Cold Form Stem Drive
Commercial
Designed to meet MSS SP-67
NSF/ANSI 372
NSF/ANSI 61-8
2" - 12"

GD4765/6765-4N/8N



300/350 WWP Fire Protection
Grooved Mechanical Style
Ductile Iron Polymid Coated Body
Internal Supervisory Switch
EPDM Liner
Cold Form Stem Drive
Commercial
Designed to meet MSS SP-67
Fire Protection - UL, FM
NYC MEA, California State Fire
Marshall, NSF Certified
2" - 12"

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content $\leq 0.25\%$ per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.



LD1000
LEAD-FREE*

150 PSI CWP
Lug Style Connection
Ductile Iron Body
1-Piece SS Stem (14"-24")
2-Piece SS Stem (30"-48")
Aluminum Bronze,
Ductile Iron or SS Disc
EPDM or Buna-N Cartridge
Liner w/ Phenolic Backing
Pinned Stem Drive
Designed to meet MSS SP-67
14" - 24" Certified to NSF/ANSI 372
14" - 48"



LD/WD2000
LEAD-FREE*

200 PSI CWP
Lug or Wafer Style Connection
Ductile Iron Body
1-Piece SS Stem
Aluminum Bronze Disc
EPDM or Buna-N
Molded In Liner
Geometric Stem Drive
Designed to meet MSS SP-67,
US Coast Guard "Category A"
NSF/ANSI 372
2" - 12"



PFD2000

200 PSI CWP
Lug Style with Female Press
End Connections
Ductile Iron Body
1-Piece SS Stem
Aluminum Bronze Disc
EPDM Molded In Liner
Geometric Stem Drive
Designed to meet MSS SP-67
2-1/2" - 4"



LD/WD3000

250 PSI CWP
Lug or Wafer Style Connection
Ductile Iron Body
1-Piece SS Stem
Aluminum Bronze,
Ductile Iron or SS Disc
EPDM, Buna-N, or FKM
Molded In Liner
Geometric Stem Drive
Designed to meet MSS SP-67,
US Coast Guard "Category A"
2" - 12"



LD/WD3510

250 PSI CWP
Lug or Wafer Style Connection
Ductile Iron Body
1-Piece SS Stem
Ductile Iron Disc
EPDM Molded-in Liner
Accepts Internal and External
Supervisory Switches
Designed to meet MSS SP-67,
Fire Protection - UL, FM,
NYC B.S.A.
California State Fire Marshall
2" - 12"



LD/WD5022

285 PSI CWP
Wafer or Lug Style Connection
Ductile Iron Body
1-Piece SS Stem
Stainless Steel Disc
EPDM Molded In Liner
Geometric Stem Drive
Designed to meet MSS SP-67,
US Coast Guard "Category A"
2" - 12"



FC2765, FC2775

200 PSI CWP
Flanged Style
Ductile Iron Polamide Coated Body
EPDM/Buna-N Coated Disc
Cold Form Stem Drive
ANSI 816.10/B16.50 Face to
Face Dimension
Designed to meet MSS SP-67
2" - 12"



FC5765, FC5775

285 PSI CWP
Flanged Style
Ductile Iron Polamide Coated Body
EPDM/Buna-N Coated Disc
Cold Form Stem Drive
ANSI 816.10/B16.50 Face to
Face Dimension
Designed to meet MSS SP-67
2" - 12"

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content $\leq 0.25\%$ per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.

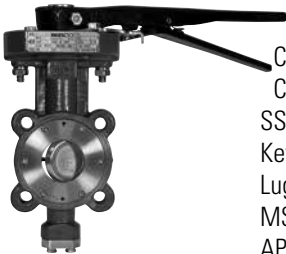
High Performance Butterfly Valves

NIBCO® high performance butterfly valves are ideally suited for commercial, industrial and mechanical HVAC services. The rugged design increases mechanical strength over standard butterfly valve and has exceptional chemical and heat resistance properties. These unique properties make the high performance butterfly valves suitable for applications involving hot water, condenser water, glycol, chilled water, compressed air, steam, chemical process, isolation and throttling.



The following NIBCO® high performance butterfly valves do not contain lead.

LCS 6822-3



Class 150
Carbon Steel Body
SS Stem & Disc, PTFE Seat & Seals
Key Drive w/ ISO Actuation Mounting
Lug Style Only
MSS SP-68 (Design)
API 609 Seat Pressure &
Temperature Ratings
2 ½" - 24"

LCS 6822-5



Class 150
Carbon Steel Body
SS Stem & Disc, PTFE Seat & Seals
Key Drive w/ ISO Actuation Mounting
Lug Style Only
MSS SP-68 (Design)
API 609 Seat Pressure &
Temperature Ratings
2 ½" - 24"

LCS 7822-3



Class 300
Carbon Steel Body
SS Stem & Disc, PTFE Seat & Seals
Key Drive w/ ISO Actuation Mounting
Lug Style Only
MSS SP-68 (Design)
API 609 Seat Pressure &
Temperature Ratings
2 ½" - 24"

LCS 7822-5



Class 300
Carbon Steel Body
SS Stem & Disc, PTFE Seat & Seals
Key Drive w/ ISO Actuation Mounting
Lug Style Only
MSS SP-68 (Design)
API 609 Seat Pressure &
Temperature Ratings
2 ½" - 24"

Bronze and Iron Multi-turn Valves

Engineers have specified NIBCO® gate, globe and check valves since 1963. These valves come in bronze, iron and ductile iron and are manufactured, assembled and tested in the USA from global and domestic components. NIBCO has experienced people and proven manufacturing methods that ensure a dependable valve for years to come. Engineered to meet the most demanding applications, NIBCO's bronze and iron multi-turn valves are suitable for the following:

- Hot and Cold Domestic Water
- Compressed Air
- Chemical
- Process Piping
- Isolation & Throttling
- HVAC
- Fire Protection
- Building Services
- Vacuum Service
- Steam

Why Engineers Specify NIBCO Bronze & Iron Multi-turn Valves?

- Bronze multi-turn valves are manufactured in Nacogdoches, Texas
- Iron multi-turn valves are manufactured in Blytheville, Arkansas
- Meet UL, FM, MSS, ASME, ASTM, AWWA and ANSI standards
- Backed by a 125% limited warranty
- Engineered to meet a wide variety of applications based on years of experience
- Available in sizes 1/4" through 24"
- More than 50 years of valve experience



To download the most current submittal sheet, go to:
<http://www.nibco.com>



T-103-HC

Fire Protection
175 PSI WWP
Bronze Body
Non-Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Threaded Connection
MSS SP-80, UL, FM
2 1/2"



T-104-O

Fire Protection
175 PSI WWP
Bronze Body
OS&Y
HDWL Malleable Iron
Union Bonnet
Solid Wedge
Integral Seat
Threaded Connection
UL/ULC, FM, NYC B.S.A
1/2" - 2"



T/S-111

Class 125
Bronze Body
Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Threaded or Solder Connection
MSS SP-80
1/4" - 3"



**T/S-111-LF
LEAD-FREE***



300 PSI CWP
Bronze Body
Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Threaded or Solder Connection
NSF/ANSI 372
NSF/ANSI 61-8
1/4" - 3"



PF-111

200 PSI CWP
250°F Max. OperatingTemp.
Bronze Body
Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Female Press End Connections
MSS SP-80
1/2" - 2"



T/S-113

Class 125
Bronze Body
Non-Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Threaded or Solder Connection
MSS SP-80
1/4" - 3"



**T/S-113-LF
LEAD-FREE***



300 PSI CWP
Bronze Body
Non-Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Threaded or Solder Connection
MSS SP-80
NSF/ANSI 372
NSF/ANSI 61-8
1/4" - 3"



T-113-HC

Class 125
Bronze Body
Non-Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Threaded x Hose Thread w/ Cap
and Chain Connection
MSS SP-80
1/2" - 1 1/2"



PF-113

200 PSI CWP
250°F Max Operating Temp.
Bronze Body
Non-Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Female Press End Connections
MSS SP-80
1/2" - 2"

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.

T-124



Class 125
Bronze Body
Rising Stem
HDWL Malleable Iron
Union Bonnet
Solid Wedge
Integral Seat
Threaded Connection
MSS SP-80
1/4" - 3"

T-131



Class 150
Bronze Body
Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Threaded Connection
MSS SP-80
1/4" - 3"

T-133



Class 150
Bronze Body
Non-Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Threaded Connection
MSS SP-80
1/4" - 3"

T/S-134



Class 150
Bronze Body
Rising Stem
HDWL Malleable Iron
Union Bonnet
Solid Wedge
Integral Seat
Threaded or Solder
Connection
MSS SP-80
1/4" - 3"

T/S-134



Class 150
Bronze Body
Rising Stem
HDWL Aluminum
Bolted Bonnet
Solid Wedge
Integral Seat
Threaded or Solder
Connection
MSS SP-80
4"

T/S-136



Class 150
Bronze Body
Non-Rising Stem
HDWL Malleable Iron
Union Bonnet
Solid (1/4" - 2") or
Split (2 1/2" - 3") Wedge
Integral Seat
Threaded or Solder
Connection
MSS SP-80
1/4" - 3"

T/S-136



Class 150
Bronze Body
Non-Rising Stem
HDWL Aluminum
Bolted Bonnet
Split Wedge
Integral Seat
Threaded or Solder
Connection
MSS SP-80
4"

T-154-A



Class 200
Bronze Body
Rising Stem
HDWL Malleable Iron
Union Bonnet
Solid Alloy Wedge
Integral Seat
Threaded Connection
MSS SP-80
1/4" - 2"

T-174-SS/A



Class 300
Bronze Body
Rising Stem
HDWL Malleable Iron
Union Bonnet
Solid Bronze or
Copper Nickel Alloy Wedge
Bronze Integral or SS Seat
Threaded Connection
MSS SP-80
1/4" - 2"

T-176-SS/A



Class 300
Bronze Body
Non-Rising Stem
HDWL Malleable Iron
Union Bonnet
Solid Bronze or
Copper Nickel Alloy Wedge
Bronze Integral or SS Seat
Threaded Connection
MSS SP-80
1/4" - 2"



KT-65-UL

Fire Protection
175 PSI WWP
Bronze Body
Buna-N Disc
Screw-In Bonnet
Integral Seat
Threaded Connection
UL Listed Trim & Drain
1/4"-1"



KT-211-W-UL

Fire Protection
175 PSI WWP
Bronze Body
Buna-N Disc
Integral Seat
Threaded Connection
MSS SP-80,
UL Listed Trim & Drain
1 1/4"- 3"



T/S-211-B/Y

Class 125
Bronze Body
HDWL Malleable Iron
Screw-In Bonnet
Bronze or PTFE Disc
Integral Seat
Threaded or Solder Connection
MSS SP-80
1/8"- 3"



PF-211-Y

200 PSI CWP
250°F Max. Operating Temp.
Bronze Body
HDWL Malleable Iron
Screw-In Bonnet, PTFE Disc
Integral Seat
Female Press End Connections
MSS SP-80
1/2" - 2"



T/S-235-Y

Class 150
Bronze Body
HDWL Malleable Iron
Union Bonnet
PTFE Disc
Integral Seat
Threaded or Solder Connection
MSS SP-80
1/8"- 3"



T-256-AP

Class 200
Bronze Body
HDWL Malleable Iron
Union Bonnet
SS Plug Disc
SS Mounted Seat
Threaded Connection
MSS SP-80
1/4"- 3"



T-275-B/Y

Class 300
Bronze Body
HDWL Malleable Iron
Union Bonnet
Bronze or PTFE Disc
Integral Seat
Threaded Connection
MSS SP-80
1/8"- 3"



T-276-AP

Class 300
Bronze Body
HDWL Malleable Iron
Union Bonnet
SS Plug Disc
SS Mounted Seat
Threaded Connection
MSS SP-80
1/4"- 3"



KT-291-W3

Fire Protection
400 PSI WWP
Bronze Side Outlet Globe
Valves
Buna-N Disc
Integral Seat
Threaded Connection
1/4"



KT-67-UL

Fire Protection
175 PSI WWP
Bronze Body
Screw-Over Bonnet
Rubber Disc
Integral Seat
Threaded Connection
UL Listed Trim & Drain
1/2" - 1"



T-301-W

Fire Protection
175 PSI WWP
Bronze Body
HDWL Aluminum
Screw-In Bonnet
Nitrile (1¼"-2") or
Buna-N (2½"-3") Disc
Integral Seat
Threaded Connection
MSS SP-80
UL/ULC Listed Trim & Drain
1 ¼" - 3"



T/S-311

Class 125
Bronze Body
HDWL Malleable Iron
Screw-In Bonnet
PTFE Disc
Integral Seat
Threaded or Solder Connection
MSS SP-80
1/4" - 3"



PF-311-Y

200 PSI CWP
250°F Max. Operating Temp.
Bronze Body
HDWL Malleable Iron
Screw-In Bonnet, PTFE Disc
Integral Seat
Female Press End Connections
MSS SP-80
1/2" - 2"



T-331-HC

Fire Protection
300 PSI WWP
Bronze Body
HDWL Malleable Iron
Screw-In Bonnet
Rubber Disc
Integral Seat
Threaded x ANHF w/ Cap
and Chain Connection
MSS SP-80, UL, FM
2 ½"



T-335-Y

Class 150
Bronze Body
HDWL Malleable Iron
Union Bonnet
PTFE Disc
Integral Seat
Threaded Connection
MSS SP-80
1/8" - 3"



T-375

Class 300
Bronze Body
HDWL Malleable Iron
Union Bonnet
Bronze Disc
Integral Seat
Threaded Connection
MSS SP-80
1/4" - 3"



T-376-AP

Class 300
Bronze Body
HDWL Malleable Iron
Union Bonnet
SS Plug Disc
SS Mounted Seat
Threaded Connection
MSS SP-80
1/4" - 2"




KT-403-W
Fire Protection
Horizontal Swing Check
200 PSI WWP
Bronze Body
Buna-N Disc 1/2" - 2"
PTFE Disc 2½" - 3"
Integral Seat
Threaded Connection
MSS SP-80
1/2" - 3"



T/S-413-B/Y/W/V
Horizontal Swing Check
Class 125
Bronze Body
Bronze, PTFE, Buna-N or
FKM Disc
Integral Seat
Threaded or Solder Connection
MSS SP-80
1/2" - 2"



 **T/S-413-LF**
LEAD-FREE*
200 PSI CWP
Bronze Body
Horizontal Swing Check
Y-Pattern
PTFE Disc
Integral Seat
Threaded or Solder Connection
MSS SP-80
NSF/ANSI 372
NSF/ANSI 61-8
1/4" - 3"



PF-413-Y
Horizontal Swing Check
200 PSI CWP
250°F Max. Operating Temp.
Bronze Body
Integral Seat
Female Press End Connections
MSS SP-80
1/2" - 2"



T/S-433-B/Y
Horizontal Swing Check
Class 150
Bronze Body
Bronze or PTFE Disc
Integral Seat
Threaded or Solder Connection
MSS SP-80
1/2" - 3"



S-433-B
Horizontal Swing Check
Class 150
Bronze Body
Bronze Disc
Integral Seat
Bolted Bonnet
Solder Connection
MSS SP-80
4"



T-453-B
Horizontal Swing Check
Class 200
Bronze Body
Bronze Disc
Integral Seat
Threaded Connection
MSS SP-80
1/4" - 3"



T-473-B/Y
Horizontal Swing Check
Class 300
Bronze Body
Bronze or PTFE Disc
Integral Seat
Threaded Connection
MSS SP-80
1/4" - 2"



T/S-480-Y
Inline Lift Type Check
Class 125
Bronze Body
Buna-N or PTFE Disc
Integral Seat
Threaded or Solder Connection
3/8" - 2"



T/S-480-Y-LF
LEAD-FREE*



250 PSI CWP
Bronze Body
Inline Lift Type Check
Spring Actuated
PTFE Disc
Integral Seat
Threaded or Solder Connection
NSF/ANSI 372
NSF/ANSI 61-8
3/8" - 2"



PF-480-Y
Inline Lift Type Check
200 PSI CWP
250°F Max. Operating Temp.
Bronze Body
Female Press End Connections
1/2" - 2"

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.



F-607-OTS

175 PSI WWP Fire Protection
Cast Iron Body
OS&Y
HDWL Cast Iron
Bolted Bonnet
Solid Wedge
Bronze Mounted Seat
Flanged Connection
MSS SP-70, UL/ULC, FM,
NYC B.S.A.
2 ½" - 12"



F-607-RW
LEAD-FREE*

250 PSI WWP Fire Protection
Ductile Iron Body
OS&Y
HDWL Ductile Iron
Bolted Bonnet
Resilient Wedge
Flanged Connection
IAPMO, NSF/ANSI 372
UL/ULC, FM, NYC M.E.A.,
AWWA C509
2 ½" - 12"



M/F-609

175 PSI WWP
Fire Protection Indicator
Post Valve
Cast Iron Body
Non-Rising Stem
C.I. Square Operating Nut
Bolted Bonnet
Solid Wedge
Bronze Mounted Seat
Flanged or M.J. Connection
UL/ULC, FM
4" - 12"



M/F-609-RW

250 PSI WWP
Fire Protection Indicator
Post Valve
Ductile Iron Body
Non-Rising Stem
C.I. Square Operating Nut
Bolted Bonnet, Resilient Wedge
Flanged or M.J. Connection
UL/ULC, FM, NYC M.E.A.,
AWWA C509, IAPMO
NSF/ANSI 372
4" - 12"



F-617-O/ON
T-617-O/ON

Class 125
Cast Iron Body
OS & Y, HDWL Cast Iron
Bolted Bonnet
Bronze Trim, All Iron Trim
2" - 12" Flanged & Threaded
14" - 24" Flanged Only Connections
MSS SP-70



F/T-619/N/SON

Class 125
Cast Iron Body
Non-Rising Stem
HDWL Cast Iron or Square
Operating Nut (SON)
Bolted Bonnet
Bronze Trim, All Iron Trim
Flanged 2" - 16"
Threaded 2" - 4"
MSS SP-70



F/MJ-619-RW/SON
LEAD-FREE*

250 PSI CWP
Cast Iron Body
Non-Rising Stem
HDWL Ductile Iron or C.I. Square
Operating Nut
Bolted Bonnet
Resilient Wedge
Flanged or Mechanical
Joint Connection
IAPMO, NSF/ANSI 372
AWWA C509
2" - 12"



F-667-O

Class 250
Cast Iron Body
OS&Y
HDWL Cast Iron
Bolted Bonnet
Solid Wedge
Bronze Mounted Seat
Flanged Connection
MSS SP-70, NYC B.S.A.
2" - 12"



F-669

Class 250
Cast Iron Body
Non-Rising Stem
HDWL Cast Iron
Bolted Bonnet
Solid Wedge
Bronze Mounted Seat
Flanged Connection
MSS SP-70
2" - 12"



F-697-O

300 PSI WWP
Fire Protection
Cast Iron Body OS & Y
HDWL Cast Iron
Bolted Bonnet, Solid Wedge
Bronze Mounted Seat
Flanged Connection
MSS SP-70, UL, FM
NYC M.E.A.
2 ½" - 10"

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F-718-B/N

Class 125
Cast Iron Body
HDWL Cast Iron
Bolted Bonnet
Bronze or C.I. Disc
Bronze or C.I. Mounted Seat
Flanged Connection
MSS SP-85
2" - 10"



F-768-B

Class 250
Cast Iron Body
HDWL Cast Iron
Bolted Bonnet
Bronze Disc
Bronze Mounted Seat
Flanged Connection
MSS SP-85
2" - 8"



F-818-B

Class 125
Cast Iron Body
HDWL Cast Iron
Bolted Bonnet
Bronze Disc
Bronze Mounted Seat
Flanged Connection
MSS SP-85
2" - 8"

Automatic Steam Stop Check Valve

NIBCO®'s steam stop check valve (F869B) is specifically designed for systems with boilers used in tandem.

F-869-B

Class 250
Automatic Stop Check
Cast Iron Body
HDWL Cast Iron
Bolted Bonnet
Bronze Disc
Bronze Mounted Seat
Flanged Connection
MSS SP-85
2" - 8"



The ASME B31, Pressure Piping Code, requires 2 stop valves, preferably 1 stop-check valve closest to the boiler and 1 closer to the header, when a boiler is piped into a common header. The NIBCO stop-check combines an angle stop valve with an internal automatic check valve. The stem is not connected to the disc; allowing the disc to float freely when the stem is in the open position. A piston attached to the disc prevents chattering and slamming due to pressures changes. The stem in the closed position holds the disc closed.

A differential pressure of only 0.75 PSI will open the disc-piston assembly but it will not hold it open. There is no stem to hold the assembly in the open position; the valve relies on the output of the boiler. For this reason, the size of the stop-check valve is determined by the working output of the boiler and has no relationship to the size of the piping. Refer to the Flow Rate table in the iron globe valve section of the NIBCO Bronze and Iron Valve catalog. (Install in vertical position only.)



KG-900-W



Fire Protection
Twin Disc Silent Check
250 PSI WWP
Ductile Iron Body
Bronze Disc
Buna-N Seat
Grooved Connection
ANSI/AWWA C606,
UL/ULC, FM
2½" - 12"



KW-900-W



Fire Protection
Twin Disc Silent Check
175 PSI WWP 2½" - 12"
150 PSI WWP 14" - 16"
Cast Iron Body
Bronze Disc
Buna-N Seat
Wafer Connection
UL/ULC 2½" - 12"
FM 2½" - 16"



F-908-W

Fire Protection
Horizontal Swing Check
175 WWP
Cast Iron Body
Rubber Disc
Bronze Mounted Seat
Flanged Connection
MSS SP-71, UL/ULC,
FM, NYC B.S.A.
2½" - 12"



F-910, F-960



Silent Check
Class 125/250
Cast Iron Body
Bronze Disc
Buna-N Bonded to
Bronze Seat
Flanged Connection
Class 125 FM Approved
2½" - 36"



W-910, W-960



Silent Check
Class 125/250
Cast Iron Body
Bronze Disc
Buna-N Bonded to
Bronze Seat
Wafer Connection
FM Approved
(2" - 6" Dual Class Ratings
125 lb. and 250 lb.)



G-917-W

Spring Actuated Check
250 PSI WWP
Cast Iron Body
EPDM Disc
Bronze Seat
Grooved Connection
ANSI/AWWA C606 for
Steel Pipe
UL/ULC, FM, NYC M.E.A.
2½" - 6"



F/T-918-B/N

Horizontal Swing Check
Class 125
Cast Iron Body
Bronze or C.I. Disc
Bronze or C.I. Mounted Seat
Flanged 2" - 12"
Threaded 2" - 6"
MSS SP-71 Type 1



(Grooved Shown)

G/W-920-W



Twin Disc Silent Check
Wafer 200 PSI CWP
Grooved 250 PSI CWP
Cast Iron Body
Bronze Disc
Buna-N Seat
Wafer/Grooved Connection
2" - 24" Wafer
2" - 12" Grooved



F-968-B

Horizontal Swing Check
Class 250
Cast Iron Body
Bronze Disc
Bronze Mounted Seat
Flanged Connection
MSS SP-71
2½" - 6"

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F-637-31
Class 150 Gate
Ductile Iron Body
OS & Y
HDWL Cast Iron 2"-12"
Steel 14"-24"
Bolted Bonnet
Solid Wedge
Bronze Mounted Trim
Raised Face Flanged
Connection
MSS SP-70
2"- 24"



F-637-33
LEAD-FREE*
Class 150 Gate
Ductile Iron Body
OS & Y
HDWL Cast Iron 2"-12"
Steel 14"-24"
Bolted Bonnet
Solid Wedge
SS Mounted Trim
Raised Face Flanged Connection
MSS SP-70
NSF/ANSI 372
NSF/ANSI 61-8
2"- 24"




F-639-31
Class 150 Gate
Ductile Iron Body
Non-Rising Stem
HDWL Cast Iron
Bolted Bonnet
Solid Wedge
Bronze Mounted Trim
Raised Face Flanged
Connection
MSS SP-70
2"- 16"



F-639-33 **LEAD**
Class 150 Gate
Ductile Iron Body
Non-Rising Stem
HDWL Cast Iron
Bolted Bonnet
Solid Wedge
SS Mounted Trim
Raised Face Flanged
Connection
MSS SP-70
2"- 16"



F-738-31
Class 150 Globe
Ductile Iron Body
HDWL Cast Iron
Bolted Bonnet
Bronze Disc
Bronze Mounted Seat
Raised Face Flanged
Connection
MSS SP-85
2"- 10"



F-838-31
Class 150 Angle
Ductile Iron Body
HDWL Cast Iron
Bolted Bonnet
Bronze Disc
Bronze Mounted Seat
Raised Face Flanged
Connection
MSS SP-85
2"- 8"



F-938-31
Class 150 Check
Horizontal Swing Check
Ductile Iron Body
Bronze Disc
Bronze Mounted Trim
Raised Face Flanged
Connection
MSS SP-71
2"- 12"



F-938-33
LEAD-FREE*
Class 150 Check
Horizontal Swing Check
Ductile Iron Body
Bronze Disc
SS Mounted Trim
Raised Face Flanged
Connection
MSS SP-71
NSF/ANSI 372
NSF/ANSI 61
2"- 12"

Ductile Iron: Economical Choice For Superior Performance

Gray iron, ASTM A 126 Class B, has been used in water, steam and process piping for over a century and has certainly earned its reputation for strength, reliability and economy. The strength (tensile) is satisfactory for liquid and low pressure compressed fluids such as steam; but, iron has no flexibility (yield) to absorb severe physical impact or hydraulic or thermal shock. This lack of flexibility is the result of carbon in flake form in the iron. When the tensile strength of iron is exceeded, carbon flakes spread the stress cracks, resulting in the iron shattering.

Ductile iron, ASTM A 395, has a yield approaching that of carbon steel. This yield is the result of turning the carbon flakes into carbon spheroids. The wall of a ductile iron valve can absorb the shock by stretching. The valve may be distorted but it does not shatter. Even if the tensile (almost double that of iron) is exceeded, the stretched wall will rip, not shatter.

Ductile iron is the ideal and economical solution to higher steam pressures up to 150 PSI or where severe shock or other application stresses are present.

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.

	Ductile Iron ASTM A 395 Grade 60-40-18	Cast Iron ASTM A 126 Class B	Cast Steel ASTM A 216 Grade WCB
Tensile PSI	60,000	31,000	70,000
Yield PSI	40,000	0	36,000
Elongation %	18	0	22

Not all alloys are created equal: The case for silicon-based lead-free* alloys

Foresight ahead of its time

For over two decades, NIBCO has been at the forefront of development and commercialization of lead-free* plumbing products. When NIBCO introduced its first generation of HydraPure® lead-free products in 1992, NIBCO utilized the copper-bismuth alloy C89844. We discovered first hand that replacing lead with bismuth and other constituents not only affects manufacturability and product installation, but also service life. Similar alloys, including the copper-bismuth alloys C89833 and C89836, are still being used by many plumbing valve and fitting manufacturers today. However, our level of expertise with the research, development and testing of lead-free alloys, as well as production methods and quality controls, has given us a better understanding of the many technical pitfalls exhibited by bismuth-based alloys.

Today, NIBCO HydraPure® lead-free valves, fittings and flanges are manufactured from the high quality, silicon-based Performance Bronze™ family of copper alloys (C87600, C87850, and C69300), which exhibit mechanical properties far exceeding traditional plumbing alloys.

Alloy Comparison - Typical Mechanical Properties (Room Temperature)

Alloy	Description	% Lead	Ultimate Tensile Strength (psi)	Yield Strength (psi)	% Elongation
C84400	Semi-Red Bronze	7%	34,000	15,000	26
C92200	Navy Steam Bronze	1.50%	34,000	16,000	22
C89833	Bismuth based LF alloy	>.25%	37,000	17,000	28
C89836	Bismuth based LF alloy	>.25%	33,000	15,000	20
C87600	Silicon Performance Bronze™	>.25%	66,000	32,000	20
C87850/ C69300	Silicon Performance Bronze™	>.25%	63,000	26,000	25

Corrosion Resistance

Corrosion as applied to bronze/brass is primarily related to dezincification and stress cracking. NIBCO HydraPure® silicon Performance Bronze® valves and fittings have achieved the highest level of success in the following standardized tests:

Dezincification Resistance – BS EN ISO 6506: 1995 Corrosion of Metal Alloys

Stress Corrosion Cracking – ISO 6957: 1988 (E) Copper Alloys

3rd Party Reassurance

NIBCO HydraPure® valve and fitting products are certified by the following listings which satisfy the new requirements of the Safe Drinking Water Act taking effect nationally on January 4, 2014:

NSF/ANSI 61-8 Commercial Hot 180°F (includes Annex F and G)

NSF/ANSI 372



*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.

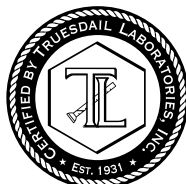
3rd Party Certified Lead-Free* Specified Products

NIBCO 3rd party certified lead-free* valves are designed specifically for use in systems that deliver water for human consumption; this includes commercial as well as residential construction. Ball, gate, and check valves are manufactured in NIBCO ISO-registered facilities.



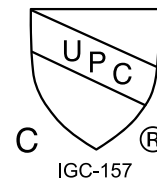
Lead-Free* Bronze valves are manufactured from HydraPure® silicon Performance Bronze™. Benefits of the Performance Bronze™ alloy include:

- 3rd-party tested corrosion resistant (dezincification and stress cracking)
- NSF/ANSI 61-8 (includes Annex F & G)
- NSF/ANSI 372
- Meet or exceed MSS standards
- 5-year, 125% warranty
- Easy to install
- Easy to identify as lead-free
 - White handles
 - HydraPure® double oval and “Si” cast into valve body



NSF/ANSI 61
NSF/ANSI 372

Certified Lead-Free* by Truesdail Labs to NSF/ANSI 61-8 (includes Annex F and G) and NSF/ANSI 372



Applies to 585-LF series ball valves only

NIBCO lead-free Iron valves are certified to NSF/ANSI 372.



Certified Lead-Free* by IAPMO R&T to NSF/ANSI 372



Certified Lead-Free* by WQA to NSF/ANSI 372

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.



T/S-580-80-LF
T/S-580-66-LF
LEAD-FREE*



600 PSI CWP
2-Piece Bronze Body
Conventional Port
Bronze or SS Stem,
Bronze or SS Ball
Threaded or Solder Connection
MSS SP-110
NSF/ANSI 372
NFS/ANSI 61-8
1/4" - 3"



T/S-585-80-LF
T/S-585-66-LF
LEAD-FREE*



600 PSI CWP
2-Piece Bronze Body
Full Port
Bronze or SS Stem,
Bronze or SS Ball
Threaded or Solder Connection
MSS SP-110
NSF/ANSI 372
NFS/ANSI 61-8
IGC-157
1/4"-2"



T/S-585-80-LF-HC
T/S-585-66-LF-HC
LEAD-FREE*



600 PSI CWP
2-Piece Bronze Body
Full Port
Bronze or SS Stem,
Bronze or SS Ball
Threaded or Solder Connection
X 3/4" Hose Connection
MSS SP-110
NSF/ANSI 372
NFS/ANSI 61-8
IGC-157
1/2" and 3/4"
Hose Cap and Chain



PC585-80-LF
PC585-66-LF
LEAD-FREE*



Valve rated to 600 PSI CWP;
Press ends rated to 250 PSI CWP
2-Piece Bronze Body
Full Port
Bronze or SS Stem,
Bronze or SS Ball
Female Press End Connections
MSS SP-110
NSF/ANSI 372
NFS/ANSI 61-8
IGC-157
1/2" - 2"



PC585-80-LF-HC
PC585-66-LF-HC
LEAD-FREE*



Valve rated to 600 PSI CWP;
Press ends rated to 250 PSI CWP
2-Piece Bronze Body
Full Port
Bronze or SS Stem,
Bronze or SS Ball
Female Press End Connection
X 3/4" Hose Connection
MSS SP-110
NSF/ANSI 372
NFS/ANSI 61-9
IGC-157
1/2" and 3/4"
Hose Cap and Chain



T/S-595-Y-LF
T/S-595-Y-66-LF
LEAD-FREE*



600 PSI CWP
3-Piece Bronze Body
Full Port, Bronze Stem
Chrome Plated Brass Ball or
SS Stem, SS Ball
Threaded or Solder
Connection
MSS SP-110
NSF/ANSI 372
NFS/ANSI 61-8
1/4" - 2 1/2"



T/S-111-LF
LEAD-FREE*



300 PSI CWP
Bronze Body
Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Threaded or Solder Connection
NSF/ANSI 372
NFS/ANSI 61-8
1/4" - 3"



T/S-113-LF
LEAD-FREE*



300 PSI CWP
Bronze Body
Non-Rising Stem
HDWL Malleable Iron
Screw-In Bonnet
Solid Wedge
Integral Seat
Threaded or Solder Connection
MSS SP-80
NSF/ANSI 372
NFS/ANSI 61-8
1/4" - 3"



T/S-413-LF
LEAD-FREE*



200 PSI CWP
Bronze Body
Horizontal Swing Check
Y-Pattern
PTFE Disc
Integral Seat
Threaded or Solder Connection
MSS SP-80
NSF/ANSI 372
NFS/ANSI 61-8
1/4" - 3"

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T/S-480-Y-LF
LEAD-FREE*



250 PSI CWP
Bronze Body
Inline Lift Type Check
Spring Actuated
PTFE Disc
Integral Seat
Threaded or Solder Connection
NSF/ANSI 372
NFS/ANSI 61-8
3/8" - 2"

LD/WD2000
LEAD-FREE*



200 PSI CWP
Lug or Wafer Style Connection
Ductile Iron Body
1-Piece SS Stem
Aluminum Bronze Disc
EPDM or Buna-N
Molded In Liner
Geometric Stem Drive
Designed to meet MSS SP-67,
US Coast Guard "Category A"
NSF/ANSI 372
2" - 12"

LD1000
LEAD-FREE*



150 PSI CWP
Lug Style Connection
Ductile Iron Body
1-Piece SS Stem (14"-24")
2-Piece SS Stem (30"-48")
Aluminum Bronze,
Ductile Iron or SS Disc
EPDM or Buna-N Cartridge
Liner w/ Phenolic Backing
Pinned Stem Drive
Designed to meet MSS SP-67
NSF/ANSI 372
14" - 48"

GD4765N
LEAD-FREE*



300 PSI CWP
Grooved Mechanical Style
Ductile Iron Polymid Coated Body
Buna-N Coated Disc
Cold Form Stem Drive
Commercial - Designed to meet MSS SP-67
NSF/ANSI 372
NFS/ANSI 61-8
2" - 12"

F-607-RW
LEAD-FREE*



250 PSI WWP Fire Protection
Ductile Iron Body
OS&Y
HDWL Ductile Iron
Bolted Bonnet
Resilient Wedge
Flanged Connection
NSF/ANSI 372
UL/ULC, FM,
NYC M.E.A.,
AWWA C509
2 1/2" - 12"

F/MJ-619-RW/SON
LEAD-FREE*



250 PSI CWP
Cast Iron Body
Non-Rising Stem
HDWL Ductile Iron or C.I. Square
Operating Nut
Bolted Bonnet
Resilient Wedge
Flanged or Mechanical
Joint Connection
NSF/ANSI 372
AWWA C509
2" - 12"

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KW-900-W-LF
LEAD-FREE*

Twin Disc Silent Check
175 PSI WWP 2½" - 12"
150 PSI WWP 14" - 16"
Cast Iron Body
Bronze Disc
Buna-N Seat
Wafer Connection
NSF/ANSI 372
NSF/ANSI 61-8
UL/ULC 2½" - 12"
FM 2½" - 16"



KG-900-W-LF
LEAD-FREE*

Twin Disc Silent Check
250 PSI WWP
Ductile Iron Body
Bronze Disc
Buna-N Seat
Grooved Connection
NSF/ANSI 372
NSF/ANSI 61-8
ANSI/AWWA C606,
UL/ULC, FM
2½" - 12"



G/W-920-W-LF
LEAD-FREE*

Twin Disc Silent Check
Wafer 200 PSI CWP
Grooved 250 PSI CWP
Cast Iron Body
Bronze Disc
Buna-N Seat
Wafer/Grooved Connection
NSF/ANSI 372
NSF/ANSI 61-8
2" - 24" Wafer
2" - 12" Grooved



W-910-LF, W-960-LF
LEAD-FREE*

Silent Check
Class 125/250
Cast Iron Body
Bronze Disc
Buna-N Bonded to
Bronze Seat
Wafer Connection
NSF/ANSI 372
FM Approved
(2" - 6" Dual Class Ratings
125 lb. and 250 lb.)



F-910-LF, F-960-LF
LEAD-FREE*

Silent Check
Class 125/250
Cast Iron Body
Bronze Disc
Buna-N Bonded to
Bronze Seat
Flanged Connection
NSF/ANSI 372
NSF/ANSI 61-8
Class 125 FM Approved
2½" - 36"

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NIBCO® Specified Valves Warranty

NIBCO INC. 125% LIMITED WARRANTY

Applicable to NIBCO INC. Pressure Rated Metal Valves

NIBCO INC. warrants each NIBCO® pressure rated metal valve to be free from defects in materials and workmanship under normal use and service for a period of five (5) years from date put into service.

In the event any defect occurs which the owner believes is covered by this warranty, the owner should immediately contact NIBCO Technical Services, either in writing or by telephone at 1.888.446.4226 or 1.574.295.3000. The owner will be instructed to return said product, at the owner's expense, to NIBCO INC., or an authorized representative for inspection. In the event said inspection discloses to the satisfaction of NIBCO INC. that said valve is defective, it will be replaced at the expense of NIBCO INC. Replacements shall be shipped free of charge to the owner. In the event of the replacement of any valve, NIBCO INC. shall further pay the owner the greater of twenty-five (25%) percent of the price of the valve according to the published suggested list price schedule of NIBCO INC. in effect at the time of purchase, or ten (\$10.00) dollars, to apply on the cost of the installation of said replacement valve.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY SPECIFICALLY EXCLUDES INCIDENTAL AND CONSEQUENTIAL DAMAGES OF EVERY TYPE AND DESCRIPTION RESULTING FROM ANY CLAIMED DEFECT IN MATERIAL OR WORKMANSHIP, INCLUDING BUT NOT LIMITED TO, PERSONAL INJURIES AND PROPERTY DAMAGES.

Some states or countries do not allow the exclusion or limitation of incidental or consequential damages so these limitations may not apply to you.

TO THE EXTENT PERMITTED BY LAW, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country.



How to Order

State quantity, figure number and size for each valve or fitting you wish to order. See individual catalog pages for specific or special product designations.

HOW MANY TO ORDER

NIBCO® valves and fittings are decimal packed for your convenience in handling, shipping and stock-keeping. Number in master carton varies with item.

POLICY ON RETURNS TO FACTORY

No NIBCO valves and fittings are to be returned without prior written agreement. Transportation must be prepaid. A 20% charge will be made to cover cost of rehandling and reinspection.

TECHNICAL ASSISTANCE

Engineers, contractors, wholesalers or manufacturers may obtain special or technical assistance from any factory representative of NIBCO. Write, fax or phone.

NIBCO INC.
World Headquarters
1516 Middlebury Street
Elkhart, IN 46516-4740
USA

PH: 1.574.295.3000 or 1.888.446.4226
FAX: 1.574.295.3307 or 1.888.336.4226

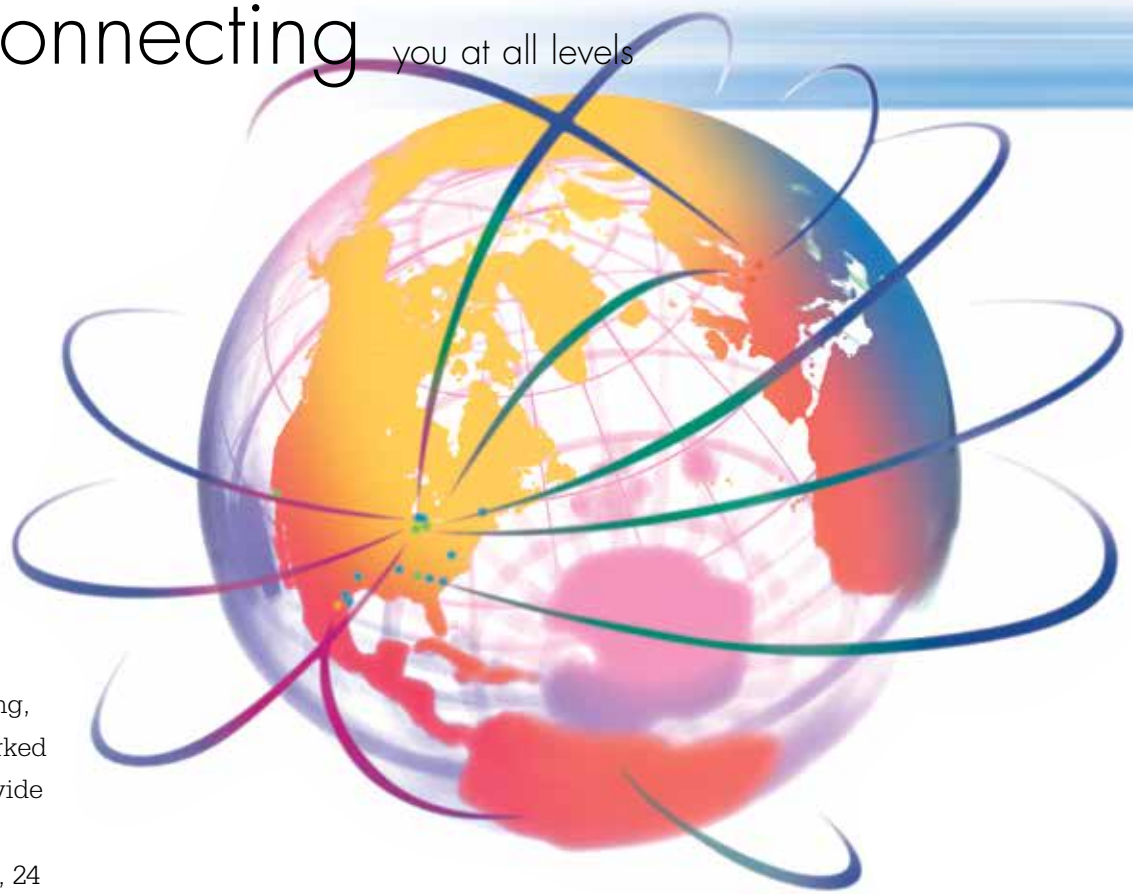
To the best of our knowledge, the information contained in this publication is accurate. However, NIBCO does not assume any liability whatsoever for the accuracy or completeness of such information. Final determinations of the suitability of any information or product for the use to be contemplated is the sole responsibility of the user. The manner of that use, and whether there is any infringement of patents, is also the sole responsibility of the user.



Notes

Notes

globally connecting you at all levels



It's a new age of business, and a new way at NIBCO. From Elkhart, Indiana to Lodz, Poland, and points beyond, our company has integrated manufacturing, distribution, and networked communications to provide a seamless source of information and service, 24 hours a day, 7 days a week. But this integration hasn't happened overnight. It's been part of a long-term strategic process that has pushed us to reconsider every aspect of our business. The result? We're a vertically integrated manufacturer with the products and systems in place to deliver low cost and high quality. NIBCO® products are manufactured under a Quality Management System conforming to the current revision of ISO-9001 International Standards. We know the flow control industry is only going to get more demanding, and we are more than ready. We will continue to lead. That's what NIBCO is all about.



FEATURING NIBCO® SYSTEMS

NIBCO® PEX Piping Systems • NIBCO® Press System®

FITTINGS



Wrot and cast copper pressure and drainage fittings • Cast copper alloy flanges
• Wrot and cast press fittings • ABS and PVC DWV fittings • Schedule 40 PVC pressure fittings • CPVC CTS fittings • CPVC CTS-to-metal transition fittings
• Schedule 80 PVC and CPVC systems • CPVC metric piping systems
• CPVC BlazeMaster® fire protection fittings • Lead-Free* fittings

BlazeMaster® is a registered trademark of The Lubrizol Corporation.
*Weighted average lead content ≤0.25%

VALVES & ACTUATION

Pressure-rated bronze, iron and alloy-iron gate, globe and check valves • Pressure-rated bronze ball valves • Boiler specialty valves • Commercial and industrial butterfly valves • Circuit balancing valves • Carbon and stainless steel ball valves • ANSI flanged steel ball valves • Pneumatic and electric actuators and controls • Grooved ball and butterfly valves • High performance butterfly valves
• UL/FM fire protection valves • MSS specification valves • Bronze specialty valves • Low pressure gate, globe, check and ball valves • Frostproof sillcocks
• Quarter-turn supply stops • Quarter-turn low pressure valves • PVC ball valves • CPVC CTS ball valves • Bronze & Iron Y-Strainers • Lead-Free* valves • Coil-Connect™ Kits

*Weighted average lead content ≤0.25%



CHEMTROL®



Thermoplastic pipe, valves and fittings in PVC, Corzan® CPVC, polypropylene and PVDF Kynar® • Pneumatic and electric actuation systems

Corzan® is a registered trademark of The Lubrizol Corporation. • Kynar® is a registered trademark of Arkema Inc.

eNIBCO

EDI—Electronic Data Interchange • VMI—Vendor Managed Inventory
• NIBCO.com • NIBCOpartner.com



NIBCO®
AHEAD OF THE FLOW®

NIBCO INC.
WORLD HEADQUARTERS
WEB: www.nibco.com

1516 MIDDLEBURY STREET
ELKHART, IN 46516-4740
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