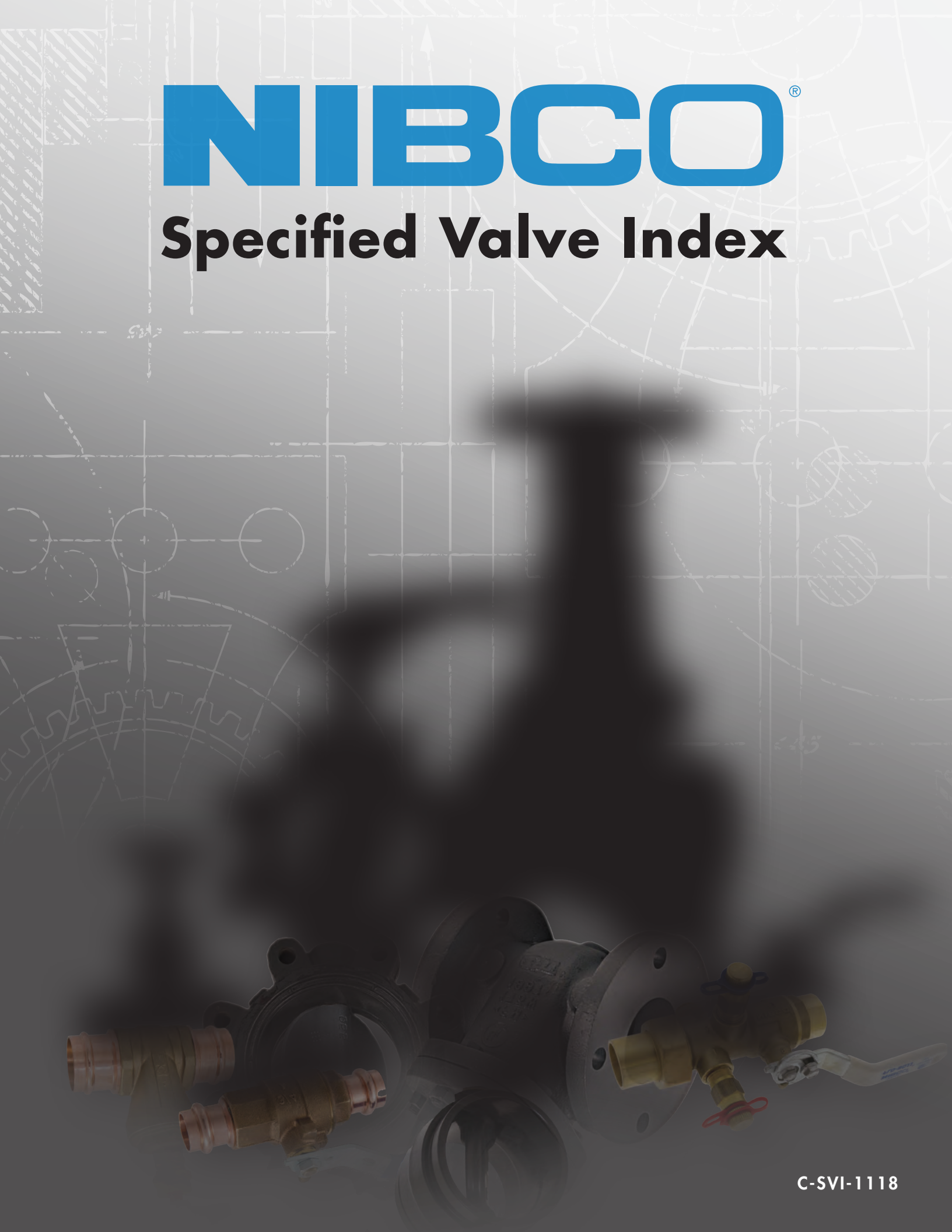
NIBCO®

Specified Valve Index



C-SVI-1118

1805-LF SERIES (S/T/P)
Manual Balancing Valve

LEAD FREE

600 psi Non-Shock
Cold Working
Pressure to 100°F
Fixed orifice
Dezincification resistant
Stainless steel ball
Stainless steel stem (Optional)
Memory stop
Available in low flow
250°F max at 150 psi
+/- 3% accuracy
½" - 2"

1810 SERIES (S/T/P)
Manual Balancing Valve

300 psi CWP
Globe style
Fixed orifice
Dezincification resistant
Integral internal memory stop
Available in low-flow
260°F max at 150 psi
+/- 3% accuracy
½" - 2"

1810-LF SERIES (S/T/P)
Manual Balancing Valve

LEAD FREE

300 psi CWP
Globe style
Fixed orifice
Dezincification resistant
Integral internal memory stop
Available in low-flow
260°F max at 150 psi
+/- 3% accuracy
½" - 2"

1880 SERIES (S/T/P)
Automatic Balancing Valve

300 psi CWP
Double union ends
Compact design
Dezincification resistant
Available in Low-Flow
260°F max at 150 psi
+/- 3% accuracy
½" - 2"

1820 SERIES (S/T/P)
Combination Ball Valve

600 psi CWP
Integral strainer
Fitted with one test point
Drain valve
Dezincification resistant
250°F max at 200 psi
½" - 2"

1830 SERIES (S/T/P)
Combination Ball Valve

600 psi CWP
Fitted with one test point
Drain valve
Dezincification resistant
250°F max at 200 psi
½" - 2"

721-AR SERIES (F)
Iron Stainer

200 psi Non-Shock, -20 to 150°F
Flanged (Class 125)
Cast iron body
Accessory tappings for
PT ports and drains
450°F max at 125 psi
Sizes 2"- 16"

737 SERIES (F/G)
Iron Balancing Valve

240 psi CWP
Flanged (Class 125) or
grooved ends
Cast iron body and bonnet
Non-rising stem design
Positive shut-off with EPDM
Elastomer disc
Discrete memory stop
250°F max at 175 psi
Sizes 2 ½"- 12"

739 SERIES (F)
Iron Balancing Valve

230 psi CWP
Fixed orifice
Flanged (Class 125)
Ductile iron body and bonnet
Positive shut off
Ductile iron EPDM coated disc
Intregral memory stop
250°F max at 175 psi
Sizes 2 ½" - 16"

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

LEAD-FREE: Weighted average lead content ≤ 0.25%

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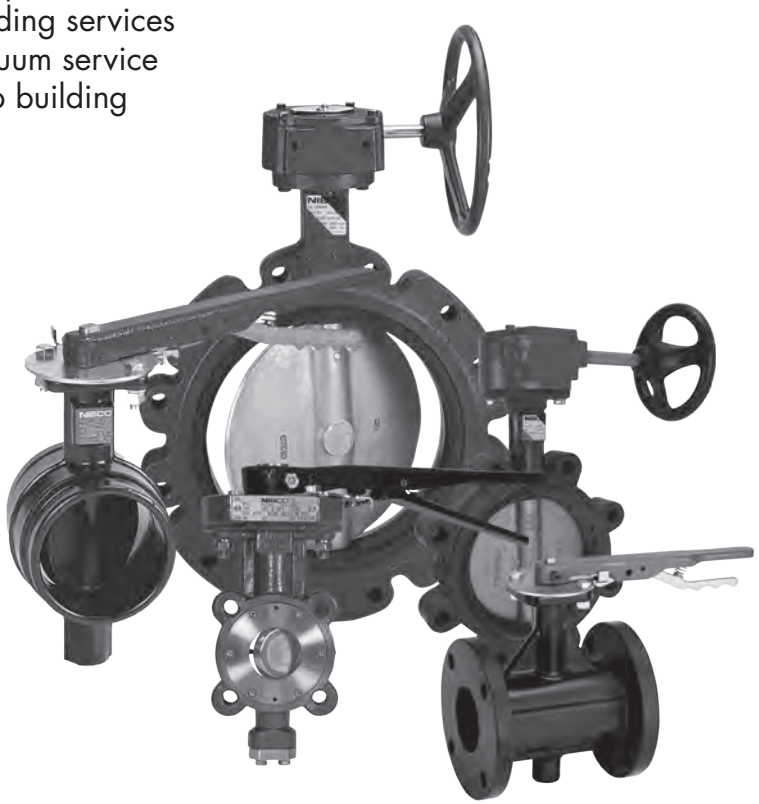
www.nibco.com

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® butterfly valves are engineered and manufactured as standard and assembled-to-order for the following applications:

- Isolation & throttling
- Hot and cold domestic water
- Compressed air
- Chemical
- Process piping
- 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, ASME, API, AWWA, US Coast Guard
- Dead-end service

⚠ GD-4765/4775

300 psi CWP
Grooved mechanical style
Ductile iron polyamide coated body
EPDM or Buna-N coated disc
SS stem
Commercial
2" - 12"

⚠ GD-4765N

LEAD FREE

300 psi CWP
Grooved mechanical style
Nylon coated ductile iron body
EPDM coated disc
SS stem
Commercial
NSF/ANSI 372
NSF/ANSI 61-8
2" - 12"

⚠ GD-4865/6865-4N/8N

300/350 WWP fire protection Grooved mechanical style
Ductile iron polymer coated body
Internal supervisory switch
EPDM coated disc
SS stem
Commercial
Fire protection - UL, FM
California State Fire Marshall
NSF Certified
2" - 10"

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LD-1000 SERIES
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
MSS SP-67
14" - 24" certified to NSF/ANSI 372
14"- 48"

LD/WD-2000 SERIES
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
MSS SP-67
US Coast Guard "Category A"
NSF 61/ANSI 372
2"- 12"

PFD-2000
LEAD FREE

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
MSS SP-67
NSF 61/ANSI 372
2 ½"- 4"

LD/WD-3000 SERIES
LEAD FREE

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
MSS SP-67
US Coast Guard "Category A"
NSF 61/ANSI 372
2"- 12"

LD/WD-3510

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
MSS SP-67
Fire protection - UL, FM, NYC B.S.A.
California State Fire Marshall
2"- 12"

LD/WD-5022
LEAD FREE

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
MSS SP-67
US Coast Guard "Category A"
NSF 61/ANSI 372
2"- 12"

FC-2765, FC-2775

200 psi CWP
Flanged style
Ductile iron polyamide coated body
EPDM or Buna-N coated disc
SS stem
AMSE/B16.5
Face to face dimension
2" - 12"

FC-5765, FC-5775

285 psi CWP
Flanged style
Ductile iron polyamide coated body
EPDM or Buna-N coated disc
SS stem
AMSE/B16.5
Face to face dimension
2" - 12"

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LEAD-FREE: Weighted average lead content ≤ 0.25%
*Selected seat and disc materials

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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 valves 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.

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

⚠ LCS-6822-3

285 CWP
Class 150
Carbon steel body
Locking lever
Handle operator
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" - 6"

⚠ LCS-6822-5

285 CWP
Class 150
Carbon steel body
Gear operator
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" - 30"

⚠ LCS-7822-3

740 CWP
Class 300
Carbon steel body
Locking lever
Handle operator
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" - 6"

⚠ LCS-7822-5

740 CWP
Class 300
Carbon steel body
Gear operator
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"

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LEAD-FREE: Weighted average lead content ≤ 0.25%

High Performance Butterfly Valves

NIBCO® Sure Seal® 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 for applications requiring 3/655 body, disc and components.

LEAD FREE The following NIBCO Sure Seal high performance butterfly valves are stainless steel and do not contain lead.

⚠ G1L-SSSR-H10

Class 150
Stainless steel body
SS stem & disc
PTFE seat & seals
Key drive w/ ISO actuation mounting
Lug style shown
MSS SP-68 (design)
API 609 seat pressure & temperature ratings
2 ½" - 36"

⚠ G1L-SSSR-G

Class 150
Stainless steel body
SS stem & disc
PTFE seat & seals
Key drive w/ ISO actuation mounting
Lug style shown
MSS SP-68 (design)
API 609 seat pressure & temperature ratings
2 ½" - 36"

⚠ G3L-SSSR-H10

Class 300
Stainless steel body
SS stem & disc, PTFE seat & seals
Key drive w/ ISO actuation mounting
Lug style shown
MSS SP-68 (design)
API 609 seat pressure & temperature ratings
2 ½" - 20"

⚠ G3L-SSSR-G

Class 300
Stainless steel body
SS stem & disc, PTFE seat & seals
Key drive w/ ISO actuation mounting
Lug style shown
MSS SP-68 (design)
API 609 seat pressure & temperature ratings
2 ½" - 20"

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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® bronze and iron multi-turn valves are suitable for the following:

- Isolation & throttling
- Hot and cold domestic water
- Compressed air
- Chemical
- Process piping
- Backflow prevention
- HVAC
- Fire protection
- Building services
- 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 55 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 668, FM
2 ½"

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
½"- 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
¼"- 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
MSS SP-139
NSF/ANSI 372
NSF/ANSI 61-8
¼" - 3"

PC-111-LF
LEAD FREE

250† psi CWP
180 psi at 200°F
Bronze body
Rising stem
HDWL malleable iron
Screw-in bonnet
Solid wedge
Integral seat
Female press
end connections
Press ends
leak detection
MSS SP-139
NSF/ANSI 372
NFS/ANSI 61-8
½" - 3"

PF-111

200 psi CWP
200 psi at 250°F
Bronze body
Rising stem
HDWL malleable iron
Screw-in bonnet
Solid wedge
Integral seat
Female press
end connections
MSS SP-80
½" - 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
¼" - 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-139
NSF/ANSI 372
NSF/ANSI 61-8
¼" - 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
½"- 1½"

PF-113

200 psi CWP
200 psi at 250°F
Bronze body
Non-rising stem
HDWL malleable iron
Screw-in bonnet
Solid wedge
Integral seat
Female press
end connections
MSS SP-80
½" - 2"

PC-113-LF
LEAD FREE

250† psi CWP
180 psi at 200°F
Bronze body
Non-rising stem
HDWL malleable iron
Screw-in bonnet
Solid wedge
Integral seat
Female press
end connections
Press ends
leak detection
MSS SP-139
NSF/ANSI 372
NFS/ANSI 61-8
½" - 3"

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†200 psi for 2 ½" and 3"

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T-124
Class 125
Bronze body
Rising stem
HDWL malleable iron
Union bonnet
Solid wedge
Integral seat
Threaded connection
MSS SP-80
¼"- 3"

T-131
Class 150
Bronze body
Rising stem
HDWL malleable iron
Screw-in bonnet
Solid wedge
Integral seat
Threaded connection
MSS SP-80
¼"- 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
¼"- 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
¼"- 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 (¼"- 2") or
Split (2 ½"- 3") wedge
Integral seat
Threaded or
solder connection
MSS SP-80
¼"- 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
¼"- 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
¼"- 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
¼"- 2"

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KT-65-UL

Fire protection
175 psi WWP
Bronze body
Buna-N disc
Screw-in bonnet
Integral seat
Threaded connection
UL 258 listed trim & drain
¼"-1"

KT-211-W-UL

Fire protection
175 psi WWP
Bronze body
Buna-N disc
Integral seat
Threaded connection
MSS SP-80
UL 258 listed trim & drain
1 ¼"- 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
⅛"- 3"

PF-211-Y

200 psi CWP
200 psi at 250°F
Bronze body
HDWL malleable iron
Screw-in bonnet
PTFE disc
Integral seat
Female press end connections
MSS SP-80
½" - 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
⅛"- 3"

T-256-AP

Class 200
Bronze body
HDWL malleable iron
Union bonnet
SS plug disc
SS mounted seat
Threaded connection
MSS SP-80
¼"- 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
⅛"- 3"

T-276-AP

Class 300
Bronze body
HDWL malleable iron
Union bonnet
SS plug disc
SS mounted seat
Threaded connection
MSS SP-80
¼"- 3"

KT-291-W3

Fire protection
400 psi WWP
Bronze side outlet globe valves
Buna-N disc
Integral seat
Threaded connection
¼"

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KT-67-UL

Fire protection
175 psi WWP
Bronze body
Screw-over bonnet
Buna-N disc
Integral seat
Threaded connection
UL 258 listed trim & drain
½" - 1"

T-301-W

Fire protection
175 psi WWP
Bronze body
HDWL aluminum
Screw-in bonnet
Buna-N (1 ¼"-2") or
PTFE (2 ½"-3") disc
Integral seat
Threaded connection
MSS SP-80
UL/ULC listed trim & drain
1 ¼" - 3"

T/S-311-Y

Class 125
Bronze body
HDWL malleable iron
Screw-in bonnet
PTFE disc
Integral seat
Threaded or solder connection
MSS SP-80
¼"- 3"

PF-311-Y

200 psi CWP
200 psi at 250°F
Bronze body
HDWL malleable iron
Screw-In bonnet
PTFE disc
Integral seat
Female press end connections
MSS SP-80
½" - 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 668, FM
2 ½"

T-335-Y

Class 150
Bronze body
HDWL malleable iron
Union bonnet
PTFE disc
Integral seat
Threaded connection
MSS SP-80
⅛"- 3"

T-375-B

Class 300
Bronze body
HDWL malleable iron
Union bonnet
Bronze disc
Integral seat
Threaded connection
MSS SP-80
¼"- 3"

T-376-AP

Class 300
Bronze body
HDWL malleable iron
Union bonnet
SS plug disc
SS mounted seat
Threaded connection
MSS SP-80
¼"- 2"

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KT-403-W

Fire protection
Horizontal swing check
200 psi WWP
Bronze body
Buna-N disc ½"- 2"
PTFE disc 2½"- 3"
Integral seat
Threaded connection
MSS SP-80
½"- 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
½"- 2"

T/S-413-Y-LF
LEAD FREE

200 psi CWP
100 psi at 300°F
Bronze body
Horizontal swing check
Y-pattern
PTFE disc
Integral seat
Threaded or solder connection
MSS SP-139
NSF/ANSI 372, NSF/ANSI 61-8
¼" - 2"

PC-413-Y-LF
LEAD FREE

Horizontal swing check
200 psi CWP
100 psi at 250°F
Bronze body
Y-pattern
PTFE disc
Female press end connections
MSS SP-139
NSF/ANSI-61-8, NSF/ANSI-372
½" - 2"

PF-413-Y

Horizontal swing check
200 psi CWP
200 psi at 250°F
Bronze body
PTFE disc
Integral seat
Female press end connections
MSS SP-80
½" - 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
¼"- 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
¼"- 3"

T-473-B/Y

Horizontal swing check
Class 300
Bronze body
Bronze or PTFE disc
Integral seat
Threaded connection
MSS SP-80
¼"- 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
100 psi at 300°F
Bronze body
Inline lift type check
Spring actuated
PTFE disc
Integral seat
Threaded or solder connection
NSF/ANSI 372, NSF/ANSI 61-8
½" - 2"

PF-480-Y

Inline lift type check
200 psi CWP
200 psi at 250°F
Bronze body
Female press end connection
½" - 2"

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

LEAD-FREE: Weighted average lead content ≤ 0.25%

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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
2 ½"- 12"

F-607-RWS
LEAD FREE

300 psi WWP fire protection
Ductile iron body
OS&Y
HDWL ductile iron
Bolted bonnet
EPDM resilient wedge
Flanged connection
NSF/ANSI 372/61
UL/ULC, FM
AWWA
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-RWS
LEAD FREE

300 psi WWP
Fire protection indicator
Post valve
Ductile iron body
Non-rising stem
C.I. square operating nut
Bolted bonnet
EPDM resilient wedge
Flanged or M.J. connection
UL/ULC, FM
AWWA
NSF/ANSI 372/61
4"- 12"

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

Class 125
Cast iron body
OS&Y, HDWL cast iron
Bolted bonnet
Bronze trim or all iron trim
2"- 8" flanged & threaded
2"- 24" flanged
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 or all iron trim
Flanged 2"- 16"
Threaded 2"- 4"
MSS SP-70

F/MJ-619-RWS/SON
LEAD FREE

300 psi CWP
Cast iron body
Non-rising stem
HDWL ductile iron or C.I. square
Operating nut
Bolted bonnet
EPDM resilient wedge
Flanged or mechanical
Joint connection
NSF/ANSI 372/61
AWWA
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
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
2 ½"- 10"

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LEAD-FREE: Weighted average lead content ≤ 0.25%

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® 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 1/2"- 8"

The ASME B31, pressure piping code, requires two stop valves, preferably one stop-check valve closest to the boiler and one 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.)

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KG-900-W-LF
LEAD FREE

Fire protection
Twin disc silent check
250 psi WWP
Ductile iron body
Bronze disc
Buna-N seat
Grooved connection
NSF 372
ANSI/AWWA C606
UL/ULC, FM
2½"- 12"

KW-900-W-LF
LEAD FREE

Fire protection
Twin disc silent check
250 psi WWP 2½"- 12"
150 psi WWP 14"- 16"
Cast iron body
Bronze disc
Buna-N seat
Wafer connection
NSF 372
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
2½"- 12"

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
Class 125 FM Approved
MSS SP-125
2½"- 36"

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
MSS SP-125
FM approved
(2"- 6" dual class ratings
125 lb. and 250 lb.)
2" - 10"

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"- 4"
MSS SP-71 Type 1

G/W-920-W-LF
LEAD FREE

(Grooved Shown)

Twin disc silent check
Wafer 250/150 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

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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LEAD-FREE: Weighted average lead content ≤ 0.25%

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-128
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-128
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-128
2"- 16"

F-639-33
LEAD FREE

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-128
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 mounted trim
Raised face flanged connection
MSS SP-136
2"- 12"

F-938-33
LEAD FREE

Class 150 check
Horizontal swing check
Ductile iron body
SS mounted trim
Raised face flanged connection
MSS SP-136
NSF/ANSI 372
NSF/ANSI 61
2"- 12"

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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, 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.

	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

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Chemtrol® Valves

With more than 60 years of experience in thermoplastics, NIBCO offers a full line of Chemtrol valves, fittings and pipe unsurpassed in performance and longevity. Chemtrol thermoplastics are dependable and work in the most demanding environments. True Union ball valves bring together strength and durability in a premium line of chemical- and corrosion-resistant ball valves that withstand harsh industrial conditions. Chemtrol products are used in commercial construction, water and waste water treatment, metal and chemical processing, food and pharmaceuticals, mining, power plants, oil refineries and more.

LEAD FREE The following Chemtrol valves are made of thermoplastics and do not contain lead.

U45TB, F45TB
LEAD FREE

True union ball valve
PVC schedule 80
250 psi at 73°F ½"- 2"
150 psi at 73°F 3"- 6"
Socket, threaded or flanged
PTFE seats
FKM or EPDM o-rings
NSF 14 & 61
ASTM F1970
½"- 6"

W45BG
LEAD FREE

Model C wafer butterfly valve
PVC schedule 80
150 psi at 73°F
Lever handle or gear operator
EPDM encapsulated disc
SS shaft and PTFE-SS bushings
EPDM face o-rings
ANSI/NSF 61
2"- 10"

U51TB, F51TB
LEAD FREE

True union ball valve
CPVC schedule 80
250 psi at 73°F ½"- 2"
150 psi at 73°F 3"- 6"
Socket, threaded or flanged
PTFE seats
FKM or EPDM o-rings
NSF 14 & 61
ASTM F1970
½"- 6"

U45BC, U51BC
LEAD FREE

True union ball check valve
PVC schedule 80
CPVC schedule 80
150 psi at 73°F
Socket, threaded or flanged
FKM or EPDM o-rings
NSF 14 & 61
3"- 6"

LEAD-FREE: Weighted average lead content ≤ 0.25%

S65TB, S66TB
LEAD FREE

Model C true union ball valve
Kynar® PVDF schedule 80
Natural or red pigmented
150 psi at 73°F
Socket or threaded
PTFE seats
FKM o-rings
½"- 4"

S61TB, S62TB
LEAD FREE

Model C true union ball valve
Polypropylene (PP) schedule 80
Natural or black pigmented
150 psi at 73°F
Socket or threaded
PTFE seats
FKM o-rings
½"- 4"

Ball Check Valves
LEAD FREE

Natural or black PP
Natural or red Kynar® PVDF
150 psi at 73°F
Socket or threaded
PTFE seats
FKM or EPDM o-rings
½" - 4"

Chemtrol® PP and PVDF Socket Fusion Joining

Polypropylene (PP) is a member of the polyolefin family of plastics and may have the most versatile chemical resistance considering the fact that there are no known solvents for PP. Kynar PVDF is a tough, abrasion-resistant fluorocarbon material that has a maximum service temperature of 280°F. NIBCO manufactures Chemtrol socket fittings and pipe (with Schedule 80 piping dimensions) that must be heat fused together. These products are available in sizes ½" through 6".

Equipment to heat fuse PP and PVDF includes bench-mount machines for prefabrication assembly, handheld tools for more versatility, and all the accessories required for measuring, holding, and heating Chemtrol PP and PVDF products. Only the Chemtrol heat face sets are acceptable for use with Chemtrol pressure pipe and fittings. View the installation instructions found in the *Chemtrol Thermoplastic Piping Technical Manual* that is available online at nibco.com.

Check out the "How to Join Chemtrol PP and PVDF Pipe and Fittings" video on the NIBCO YouTube channel: youtube.com/NIBCOVideos.

Kynar® is a registered tradmark of Arkema, Inc.
LEAD-FREE: Weighted average lead content ≤ 0.25%

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Not All Alloys are Created Equal:
The Case for Silicon-Based Lead-free Alloys

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 requirements of the Safe Drinking Water Act:
NSF/ANSI 61-8 commercial hot 180°F (includes annex F and G)
NSF/ANSI 372

NIBCO HydraPure®

LEAD-FREE: Weighted average lead content ≤ 0.25%

3rd-Party Certified Lead-free Specified Products

NIBCO third-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 9001-registered facilities.

NIBCO HydraPure®

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
  - o White handles
  - o HydraPure double oval and "Si" cast into valve body

Dezincification Resistant

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

IGC-157

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: Weighted average lead content ≤ 0.25%

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www.nibco.com

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

600 psi CWP
100 psi at 300°F
2-piece bronze body
Conventional port
Bronze or SS stem
Brass or SS ball
Threaded or solder connection
MSS SP-145
NSF/ANSI 372, NFS/ANSI 61-8
IAPMO/ANSI Z1157 (IGC-157)
1 ¼" - 3"

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

600 psi CWP
100 psi at 300°F
2-piece bronze body
Full port
Bronze or SS stem
Brass or SS ball
Threaded or solder connection
MSS SP-145
NSF/ANSI 372, NFS/ANSI 61-8
IAPMO/ANSI Z1157 (IGC-157)
¼"- 3"

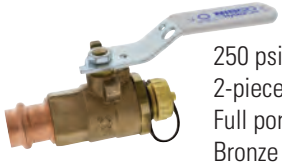
T/S-585-80-LF-HC
T/S-585-66-LF-HC
LEAD FREE

600 psi CWP
2-piece bronze body
Full port
Bronze or SS stem
Brass or SS ball
Threaded or solder connection
x ¾" hose connection
MSS SP-145
NSF/ANSI 372, NFS/ANSI 61-9
IAPMO/ANSI Z1157 (IGC-157)
½" and ¾"
Hose cap and chain

PC-585-80-LF
PC-585-66-LF
LEAD FREE

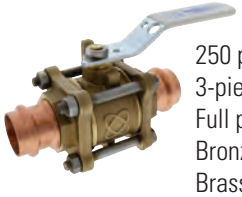
250 psi CWP
225 psi at 250°F
2-piece bronze body
Full port
Bronze or SS stem
Brass or SS ball
Female press end connection
MSS SP-145
NSF/ANSI 372, NFS/ANSI 61-8
IAPMO/ANSI Z1157 (IGC-157)
½" - 3"

PC-585-80-LF-HC
PC-585-66-LF-HC
LEAD FREE



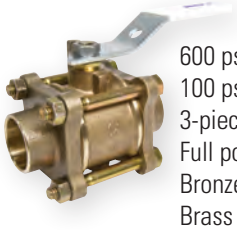
250 psi CWP
2-piece bronze body
Full port
Bronze or SS stem
Brass or SS ball
Female press end connection
x 3/4" hose connection
MSS SP-145
NSF/ANSI 372, NFS/ANSI 61-9
IAPMO/ANSI Z1157 (IGC-157)
½" and ¾"
Hose cap and chain

PC-595-Y/R-LF
PC-595-Y/R-66-LF
LEAD FREE



250 psi CWP/225 psi at 250°F
3-piece bronze body
Full port, blowout-proof stem
Bronze or SS stem
Brass or SS ball
PTFE or RPTFE Seats
Press end connections
Commercial Hot 180°F
NSF/ANSI 372 SP-110/145
NSF/ANSI/CAN 61-2018
½" - 2½"

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



600 psi CWP
100 psi at 300°F
3-piece bronze body
Full port
Bronze or SS stem
Brass or SS ball
Threaded or solder connection
MSS SP-145
NSF/ANSI 372, NFS/ANSI 61-8
¼"- 2 ½"

PC-111-LF
LEAD FREE

250† psi CWP
180 psi at 200°F
Bronze body
Rising stem
HDWL malleable iron
Screw-in bonnet
Solid wedge
Integral seat
Female press end connections
Press ends leak detection
MSS SP-139
NSF/ANSI 372
NFS/ANSI 61-8
½" - 3"

T/S-111-LF
LEAD FREE

300 psi CWP
100 psi at 300°F
Bronze body
Rising stem
HDWL malleable iron
Screw-in bonnet
Solid wedge
Integral seat
Threaded or solder connection
MSS SP-139
NSF/ANSI 372
NFS/ANSI 61-8
¼" - 3" (T)
½" - 2" (S)

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

LEAD-FREE: Weighted average lead content ≤ 0.25%

†200 psi for 2 1/2" and 3"

PC-113-LF
LEAD FREE

250† psi CWP
180 psi at 200°F
Bronze body
Non-rising stem
HDWL malleable iron
Screw-in bonnet
Solid wedge
Integral seat
Female press end connections
Press ends leak detection
MSS SP-139
NSF/ANSI 372
NFS/ANSI 61-8
½" - 3"

T/S-113-LF
LEAD FREE

300 psi CWP
100 psi at 300°F
Bronze body
Non-rising stem
HDWL malleable iron
Screw-in bonnet
Solid wedge
Integral seat
Threaded or solder connection
MSS SP-139
NSF/ANSI 372
NFS/ANSI 61-8
¼" - 3" (T)
½" - 2" (S)

T/S-413-LF
LEAD FREE

200 psi CWP
100 psi at 300°F
Bronze body
Horizontal swing check
Y-pattern
PTFE disc
Integral seat
Threaded or solder connection
MSS SP-139
NSF/ANSI 372
NFS/ANSI 61-8
¼" - 2"

T/S-480-Y-LF
LEAD FREE

250 psi CWP
100 psi at 300°F
Bronze body
Inline lift type check
Spring actuated
PTFE disc
Integral seat
Threaded or solder connection
MSS SP-139
NSF/ANSI 372
NFS/ANSI 61-8
½" - 2"

LD-1000 SERIES
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
MSS SP-67
NSF/ANSI 372
14"- 24"

LD/WD-2000 SERIES
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
MSS SP-67
US Coast Guard "Category A"
NSF/ANSI 372
2"- 12"

GD-4765N
LEAD FREE

300 psi CWP
Grooved mechanical style
Ductile iron polyamide coated body
EPDM coated disc
Cold form stem drive
MSS SP-67
NSF/ANSI 372
NFS/ANSI 61-8
2" - 12"

F-607-RWS
LEAD FREE

300 psi WWP fire protection
Ductile iron body
OS&Y
HDWL ductile iron
Bolted bonnet
EPDM resilient wedge
Flanged connection
NSF/ANSI 372
UL/ULC, FM
AWWA
2 ½"- 12"

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

LEAD-FREE: Weighted average lead content ≤ 0.25%

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F/MJ-619-RWS/SON
LEAD FREE

300 psi CWP
Cast iron body
Non-rising stem
HDWL ductile iron or C.I. square
Operating nut
Bolted bonnet
EPDM resilient wedge
Flanged or mechanical
Joint connection
NSF/ANSI 372
AWWA
2"- 12"

KW-900-W-LF
LEAD FREE

Fire protection
Twin disc silent check
250 psi WWP 2 ½"- 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 2 ½"- 16"

KG-900-W-LF
LEAD FREE

Fire protection
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
2 ½"- 12"

G/W-920-W-LF
LEAD FREE

(Grooved Shown)

Twin disc silent check
Wafer 250/150 psi CWP
Grooved 250 psi CWP
Cast iron body
Bronze disc
Buna-N seat
Wafer or 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
MSS SP-125
NSF/ANSI 372
FM approved
(2"- 6" dual class ratings
125 lb. and 250 lb.)
2" - 10"

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
MSS SP-125
NSF/ANSI 372
NSF/ANSI 61-8
Class 125 FM approved
2 ½"- 36"

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LEAD-FREE: Weighted average lead content ≤ 0.25%

The ISOLATOR UNI-FLANGE BALL VALVE®

THE ONLY WAY TO ISOLATE CIRCULATOR PUMPS

The Webstone® Isolator® ball valves have revolutionized the installation of circulator pumps. Our original uni-flange design has evolved into the largest flanged ball valve program in the industry today. No matter what your installation requires, there is an Isolator to meet your needs.

Why Engineers Specify Webstone Isolator Ball Valves:

- Allows virtually no air into system upon pump replacement
- Prevents electrolysis, minimizes risks of galvanic corrosion
- Heavy duty forged brass construction, unique uni-body design
- Blowout proof stem
- Conical inlet to minimize turbulence
- Available slotted holes for high velocity pumps
- Replaces a minimum of 3 components, eliminates 2 leak paths and saves 18 minutes of labor
- Available with fixed, rotating or round flanges
- Lead-free options available for use with potable water
- Guaranteed for life

Fixed Flange

The Isolator UniFlange Ball Valve

Full port forged brass ball valve
w/ adjustable packing gland, nuts & bolts
Pressure rating: 600 CWP
Fits standard & high velocity pumps
Sizes: ½"-2"
FIP x Flange
SWT x Flange

The Isolator w/ Drain

Full port forged brass uniflange ball valve w/ Hi-Flow hose drain, adjustable packing gland, nuts & bolts
Pressure rating: 600 CWP
Fits standard & high velocity pumps
Patented technology
Sizes: ¾"-2"
FIP x Flange
SWT x Flange

The Isolator Circulator Pump Installation Kit

Isolator & Isolator w/ Drain & 2 FullFaced flange gaskets, nuts & bolts
Pressure rating: 600 CWP
Fits standard & high velocity pumps
Patented technology
Sizes: ¾"-1 ¼"
FIP x Flange
SWT x Flange

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Rotating Flange

- Unique unibody design is preserved
- Fully removable, solid forged brass outer flange secured by snap ring
- 3way ball purges before or after the pump
- 360° rotation offers greater flexibility
- Inner & outer flanges are designed to help prevent problems from over-torquing

⚠ The Isolator® w/ Rotating Flange

Full port forged brass UniFlange ball valve w/ detachable rotating flange, adjustable packing glands, nuts & bolts
Fits standard & high velocity pumps
Pressure rating: varies based on connection type, 600 CWP for the valve body
Sizes: ¾"-2"
- FIP x Rotating Flange
- Press x Rotating Flange
- SWT x Rotating Flange

⚠ The Isolator w/ Rotating Flange (Lead-free)

Full port forged brass UniFlange ball valve w/ detachable rotating flange, adjustable packing glands, nuts & bolts
Fits standard & high velocity pumps
Pressure rating: varies based on connection type, 600 CWP for the valve body
Certified to NSF/ANSI 61 & 372
Sizes: ¾"-2"
- Female PPR Metric Socket x Rotating Flange
- Female PPRCT Metric Socket x Rotating Flange
- FIP x Rotating Flange
- SWT x Rotating Flange
- Press x Rotating Flange

⚠ The Isolator w/ Rotating Flange & MultiFunction Drain

Full port forged brass UniFlange ball valve w/ detachable rotating flange, multifunction Hi-Flow hose drain, adjustable packing glands, nuts & bolts
Fits standard & high velocity pumps
Pressure rating: varies based on connection type, 600 CWP for the valve body
Patented technology
Sizes: ¾"-2"
- FIP x Rotating Flange
- Press x Rotating Flange
- SWT x Rotating Flange

⚠ The Isolator w/ Rotating Flange & MultiFunction Drain (Lead-free)

Full port forged brass UniFlange ball valve w/ detachable rotating flange, multifunction Hi-Flow hose drain, adjustable packing glands, nuts & bolts
Fits standard & high velocity pumps
Pressure rating: varies based on connection type, 600 CWP for the valve body
Certified to NSF/ANSI 61 & 372
Patented technology
Sizes: ¾"-2"
- Female PPR Metric Socket x Rotating Flange
- Female PPRCT Metric Socket x Rotating Flange
- FIP x Rotating Flange
- SWT x Rotating Flange
- Press x Rotating Flange

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LEAD-FREE: Weighted average lead content ≤ 0.25%

The Isolator® Circulator Pump Installation Kit

Isolator Rotating Flange & Isolator w/ rotating flange & drain & 2 FullFaced flange gaskets, nuts & bolts
Fits standard & high velocity pumps
Pressure rating: varies based on connection type, 600 CWP for the valve body
Patented technology
Sizes: ¾"-1 ¼"
FIP x Rotating Flange
Press x Rotating Flange
SWT x Rotating Flange

The Isolator®Circulator Pump Installation Kit (Lead-free)

Isolator Rotating Flange & Isolator w/ rotating flange & drain & 2 FullFaced flange gaskets, nuts & bolts
Fits standard & high velocity pumps
Pressure rating: varies based on connection type, 600 CWP for the valve body
Certified to NSF/ANSI 61 & 372
Patented technology
Sizes: ¾"-1 ¼"
FIP x Rotating Flange
SWT x Rotating Flange

The Isolator Double Flanged Check

- The easiest way to add a check valve to any pump!
- Two sizes cover all standard Isolator installations.
- Installs between the pump & Isolator Uni-flanged Ball Valve

Forged Brass Check Valve w/ Rotating Flange

Includes one set of mounting bolts & full faced flange gasket
Fits standard & high velocity pumps
Pressure rating: 150 psi @ 200°F
Sizes: fits ¾" to 1 ¼" or 1 ½" to 2"
Flange x Rotating Flange

Round Flange

The ISOLATOR® UNI-FLANGE BALL VALVE with ROUND FLANGE

Flange features a round shape and bolt patterns specifically designed to accommodate the industry's most popular high efficiency variable speed pumps.

The Isolator w/ Round Flange

Full port forged brass UniFlange ball valve w/ round rotating flange, adjustable packing gland, nuts & bolts
Pressure rating: varies based on connection type, 600 CWP for the valve body.
Sizes: 1 ½"-2"
FIP x Rotating Flange
Press x Rotating Flange
SWT x Rotating Flange

The Isolator w/ Round Flange & Multi-Function Drain

Full port forged brass UniFlange ball valve w/ round rotating flange, multifunction Hi-Flow hose drain, adjustable packing glands, nuts & bolts
Pressure rating: varies based on connection type, 600 CWP for the valve body
Patented technology
Sizes: 1 ½"-2"
FIP x Rotating Flange
Press x Rotating Flange
SWT x Rotating Flange

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The ISOLATOR® UNI-FLANGE BALL VALVE SELECT™ WITH 4-WAY SELECTABLE FLOW PATH

⚠ The Isolator® Select

Easily fill, purge, sample or add a pressure gauge right at the pump
1" side ports enable quicker filling and purging – ideal for Geothermal applications
Easily direct fluid between 4 available ports & isolate the pump for replacement
1" Press connection compatible with popular press tools
Heavy duty forged brass construction
Blowout proof stem & adjustable packing gland
Full port forged brass Uni-Flange ball valve w/ 4-Way selectable flow path
Plugged FNPT ports,
Adjustable packing gland, nuts, bolts, & flange gasket
Fits standard & high velocity pumps
Max temp: 250 F Max
Pressure rating: 250 CWP
Sizes: 1" FIP x Press x Rotating Flange

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PRO-PAL SERIES®

BALL DRAIN™
UNION BALL DRAIN™
EXPANSION TANK PRO SERVICE VALVE™
PURGE & FILL™
PRIMARY/SECONDARY PURGE TEE™
T DRAIN™

Webstone® Pro-Pal® Valves are your best choice for efficient installation and system operation, and for helping to control costs. Pro-Pal Valves combine commonly used components into a single forged brass alternative that will save time and space in any installation. Instead of just building your next piping system, innovate it with Pro-Pal Series Valves.

Why Engineers Specify Webstone Pro-Pal Valves:

- Heavy duty forged brass construction
- Eliminates multiple fittings
- Results in cleaner looking installations
- Lead-free options available for use with potable water
- Guaranteed for life

BALL DRAIN™
UNION BALL DRAIN™

Eliminate assemblies needed to isolate & drain any portion of a piped system.
Replaces 6 components, eliminates 5 leak paths saves 45 minutes of labor.
Winterize an entire building with simple quarter-turn actions.
Reversible handle for added versatility.
Exclusive adjustable flow path allows for draining from either side of the ball.

⚠ Pro-Pal Ball Drain™

Full port forged brass ball valve w/ Hi-Flow hose drain, reversible handle & adjustable packing glands
Pressure rating: varies based on connection type, 600 CWP for the valve body.
Patents pending
Sizes: ½"-2"

- FIP
- Press
- Press x FIP
- SWT
- SWT x FIP
- FIP x FIP Union
- Press x FIP Union
- SWT x FIP Union

⚠ Pro-Pal Ball Drain™ (Lead-free)

Full port forged brass ball valve w/ Hi-Flow hose drain, reversible handle & adjustable packing glands
Pressure rating: varies based on connection type, 600 CWP for the valve body.
Certified to NSF/ANSI 61 & 372
Patents pending
Sizes: ½"-2"

- Female PPR Metric Socket
- Female PPRCT Metric Socket
- FIP
- Press
- Press x FIP
- SWT
- SWT x FIP
- FIP x FIP Union
- Press x FIP Union
- SWT x FIP Union

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EXPANSION TANK PRO SERVICE VALVE™

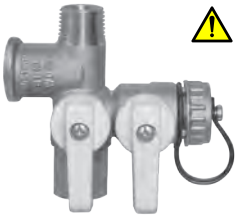
The 3-way ball controls flow between the expansion tank and the system.

Replaces 7 components, eliminates 6 leak paths, saves 54 minutes of labor.

Easily install, isolate, drain & replace any expansion tank.

Quickly connect entire system to the cold water fee.

Ideal for use with webstone air separator.



⚠ Pro-Pal® Expansion Tank Pro Service Valve™

Full port forged brass ball valve w/ Hi-Flow hose drain
Pressure rating: 600 CWP
Sizes: ½" FIP x MIP x FIP x Hose

PURGE & FILL™

Simultaneously drain, flush & refill any hydronic, solar, or closed loop system.

Replaces 7 components, eliminates 6 leak paths, saves 54 minutes of labor.

T-pattern flow path quickly and easily prevents the flow between the two hose connections.

Reversible handle for added versatility.

⚠ Pro-Pal Purge & Fill™

Full port forged brass ball valve w/ (2) Hi-Flow hose drains, reversible handle, & adjustable packing glands
Pressure rating: varies based on connection type, 600 CWP for the valve body
Patented technology
Sizes: ¾"-1 ½"
FIP
Press
SWT

PRIMARY/SECONDARY PURGE TEE™

Ideal for primary/secondary piping in mod-con boiler systems.

Provides precise spacing required for hydraulic separation.

Enables power purging of secondary loops, improving efficiency at system startup.

Full port solid flow channel ensures highest possible flow rate.

Replaces 5 components, eliminates 4 leak paths, saves 36 minutes of labor - however, correct spacing for hydraulic separation cannot be achieved using off-the-shelf components.

The ONLY way to place a valve between closely spaced tees!

⚠ Pro-Pal Purge Tee™

Full port forged brass ball valve w/ reversible handle & adjustable packing gland
Pressure rating: varies based on connection type, 600 CWP for the valve body
Patented technology
Sizes: 1" – 1 ¼"
Press
SWT

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T-DRAIN™

Eliminates assemblies needed for installing drains into a line.

Hi-flow alternative for filling, draining, or venting closed-loop hydronic systems.

Add a garden hose connection to any water source in lines up to 2".

Replaces 2 components, eliminates 1 leak path, saves 9 minutes of labor.

⚠ Pro-Pal® T-Drain

Full port forged brass ball valve w/ Hi-Flow hose drain & adjustable packing gland
Pressure rating: varies based on connection type, 600 CWP for the valve body.
Certified to NSF/ANSI 61G
Patented technology
Sizes: ½"-2"
Press
SWT

AIR SEPARATOR

KNOCKING PIPES
ARE **NOT NORMAL**

The Webstone® Air Separator has a unique coalescing medium that captures both micro bubbles and static air from within a hydronic system. Using the Webstone Air Separator to properly vet the system improves efficiency, reduces wear on system components, improves system operation, minimizes customer call backs, reduces noise, and requires no regular maintenance.

Why Engineers Specify Webstone Air Separator:

- Heavy duty forged brass construction
- Contains corrosion-resistant stainless steel coalescing medium
- Pin guided float ensures smooth operation
- Vent head & coalescing medium can be removed for cleaning
- Flow may be directed into either side of the unit
- Available replacement vent assemblies
- Ideal for use with Webstone® Expansion Tank Pro Service Valve
- Guaranteed for life

⚠ Forged Brass Air Separator

w/ Removable vent head & coalescing medium
Pressure rating: 150 psi
Sizes: ¾"-2"
FIP
Press
SWT

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The ISOLATOR® E•X•P™ TWH SERVICE VALVES

THE ONLY WAY TO INSTALL ANY TANKLESS WATER HEATER

The Webstone® patented Isolator® E•X•P™ Service Valve Kits allow for quicker, consistent quality tankless water heater installations with fewer leak paths. Clean, flush, or diagnose any tankless water heater with ease.

Why Engineers Specify Webstone EXP Kits:

- The original tankless water heater service valves
- Heavy duty forged brass construction
- Replace14 components, eliminates 12 leak paths saves 108 minutes of labor
- Multiple pressure relief options for residential and commercial applications
- Available E2 and E3 kits are compact solutions for tight quarters, pipe covers, and recessed boxes
- Lead-free brass suitable for use with potable water
- Guaranteed for life

The ISOLATOR® E•X•P™ TWH SERVICE VALVES

PREMIUM DESIGN ⚠ Tankless Water Heater Service Valve Kit

Hot & cold set of full port forged brass ball valves w/ Hi-Flow hose drains, & pressure relief valve outlet, adjustable packing glands
Includes residential pressure relief valve (150 psi/200k BTU)
Pressure rating: 600 CWP
Certified to NSF/ANSI 61 & 372
Patented technology
Size: ¾"
FIP x FIP Union
SWT x FIP Union

The ISOLATOR® E•X•P E2™ TWH SERVICE VALVES

SPACE SAVING ⚠ Tankless Water Heater Service Valve Kit

Hot & cold set of full port forged brass ball valves w/ Hi-Flow hose drains, & pressure relief valve outlet, adjustable packing glands
Includes your choice of pressure relief valve:
Residential HW (150 psi/200k BTU)
Commercial HW (150 psi/2.7m BTU)
Pressure rating: varies based on connection type, 500 CWP for the valve body.
Certified to NSF/ANSI 61 & 372
Patented technology
Sizes: ¾", 1"
FIP Union x FIP
FIP Union x Press
FIP Union x Push
FIP Union x SWT

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The ISOLATOR E·X·P E2 TWH SERVICE VALVES

⚠ Wall Hung & Combi Boiler Service Valve Kit

Hot & cold set of full port forged brass ball valves w/ Hi-Flow hose drains, pressure relief valve outlet & 30 psi/510,000 btu pressure relief valve adjustable packing glands
Pressure rating: varies based on connection type, 500 CWP for the valve body.
Patented technology
Sizes: ¾",1"
- FIP Union x FIP
- FIP Union x Press
- FIP Union x SWT

The ISOLATOR E·X·P E3 TWH SERVICE VALVES

⚠ Tankless Water Heater Service Valve Kit

Hot & cold set of full port forged brass ball valves w/ Hi-Flow hose drains, & adjustable pressure relief valve outlet, adjustable packing glands
Includes your choice of pressure relief valve
- Residential HW (150 psi/200k BTU)
- Commercial HW (150 psi/200k BTU)

Pressure rating: varies based on connection type, 500 CWP for the valve body.
Certified to NSF/ANSI 61 & 372
Patented Technology
Sizes: ¾"
- FIP Union x FIP
- FIP Union x Push
- FIP Union x SWT

The ISOLATOR E·X·P E3 TWH SERVICE VALVES

⚠ The Isolator E-X-P E3 Wall Hung & Combi Boiler Service Valve Kit

Hot & cold set of full port forged brass ball valves w/ Hi-Flow hose drains, adjustable pressure relief valve outlet & 30 psi/510,000 btu pressure relief valve
Adjustable packing glands
Pressure rating: varies based on connection type, 500 CWP for the valve body.
Patented technology
Sizes: ¾",1"
- FIP Union x FIP
- FIP Union x SWT
- FIP Union x Press

The ISOLATOR E·X·P TWH SERVICE VALVES

⚠ Complete Tankless Water Heater Installation Kit

Includes your choice of EXP, E2, or E3 service valves w/ residential pressure relief valve (150 psi/200,000 BTU)
¾ CGA gas ball valve (175 psi), & 24" × ¾" gas flex line
Certified to NSF/ANSI 61 & 372
Patented technology
Sizes: ¾"
- FIP Union x FIP
- FIP Union x SWT
- FIP Union x Press
- FIP Union x Push

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WATER HEATER TEMPERING VALVE

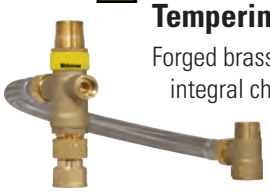
HOT WATER
MADE **BETTER**

The Webstone® Water Heater Tempering valve mixes cold water from the supply with the hot output from the heater for greater effective hot water storage. This allows water to be stored at 140°F - mitigating the risk of Legionella bacteria in the tank. Adjustable temperature control limits output to 120°F and prevents the risk of scalding. Installation kit options include the Lead-free valve, temperature gauge and (2) ProPush™ flexible connectors for easy integration with the rest of the system.

Why Engineers Specify Webstone Water Heater Tempering Valves

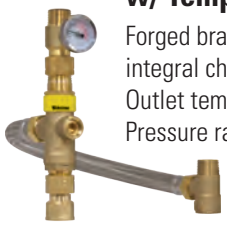
- Heavy duty forged brass construction
- Integrated recirculation port simplifies installation
- Optional temperature gauge available
- Available ProPush™ flexible connectors easily connect to Copper, CPVC or PEX
- Lead-free brass suitable for use with potable water
- Guaranteed for life

⚠ Water Heater Tempering Valve



Forged brass valve w/ 18" flex hose connector & integral check valve
Outlet temperature range 86°-120°F
Pressure rating: 150 psi
Certified to NSF/ANSI 61 & 372
Sizes: ¾" MIP x FIP

⚠ Water Heater Tempering Valve w/ Temperature Gauge



Forged brass valve w/ 18" flex hose connector & integral check valve
Outlet temperature range 86°-120°F
Pressure rating: 150 psi
Certified to NSF/ANSI 61 & 372
Sizes: ¾" MIP x FIP

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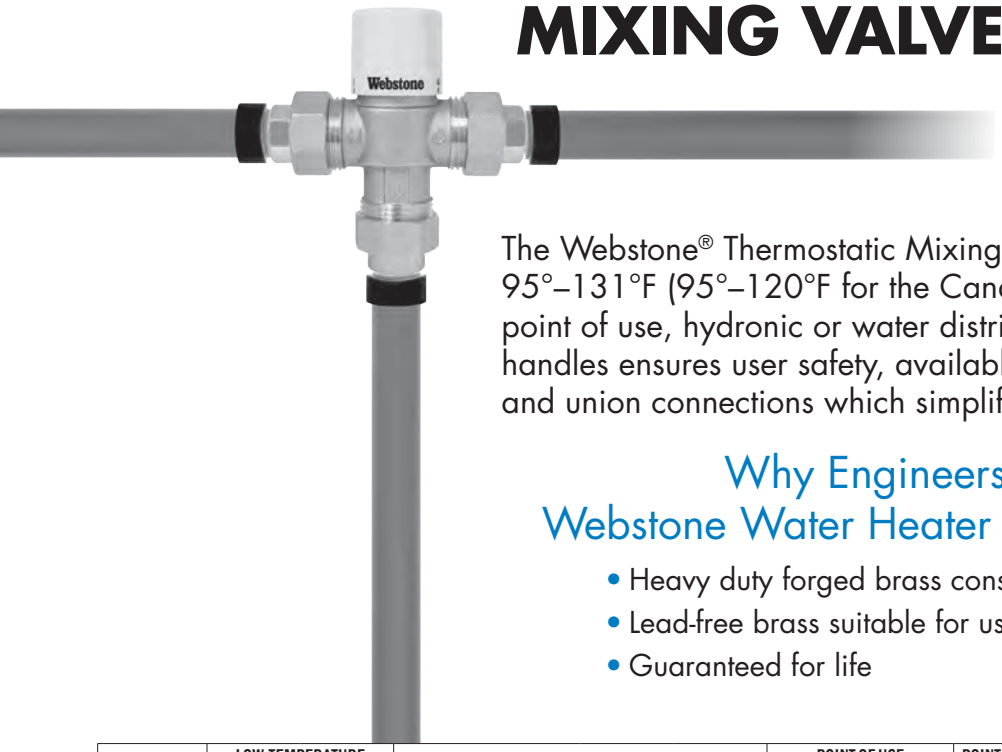
LEAD-FREE: Weighted average lead content ≤ 0.25%

THERMOSTATIC MIXING VALVE



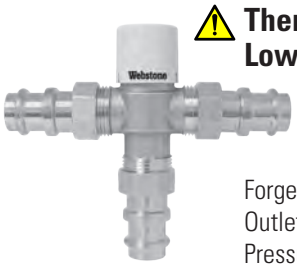
BECAUSE
NO ONE LIKES
TO **GET BURNED**

The Webstone® Thermostatic Mixing Valve provides output ranges from 95°–131°F (95°–120°F for the Canadian market) making them ideal for point of use, hydronic or water distribution systems. Temperature locking handles ensures user safety, available with integral check valves on inlets and union connections which simplify installation and maintenance.

Why Engineers Specify Webstone Water Heater Tempering Valves:

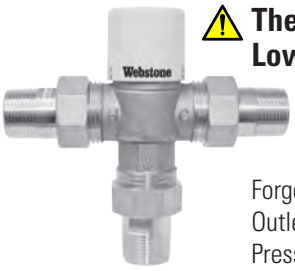
- Heavy duty forged brass construction
- Lead-free brass suitable for use with potable water
- Guaranteed for life

APPLICATION:	LOW-TEMPERATURE HYDRONIC		WATER DISTRIBUTION SYSTEMS				POINT OF USE SINGLE OR MULTI FIXTURE		POINT OF USE SINGLE ONLY
TEMP RANGE:	95–131°F (35–55°C)		95–131°F (35–55°C)		95–120°F (35–49°C)		95–131°F (35–55°C)	95–120°F (35–49°C)	95–131°F (35–55°C)
	NO CHECK	W/ CHECK	NO CHECK	W/ CHECK	NO CHECK	W/ CHECK	W/ CHECK	W/ CHECK	W/ CHECK
Compression	-	-	-	-	-	-	-	-	7440W
MIP	7410W	7420W	7410W	7420W	7410W-CAN	7420W-CAN	7420W	7420W-CAN	-
SWT	7510W	7520W	7510W	7520W	7510W-CAN	7520W-CAN	7520W	7520W-CAN	-
PEX	7310W	7320W	7310W	7320W	7310W-CAN	7320W-CAN	-	-	-
Press	7810W	7820W	7810W	7820W	7810W-CAN	7820W-CAN	-	-	-



⚠ Thermostatic Mixing Valve For Low Temperature Hydronic Applications & Water Distribution - Max 131°F

Forged brass valve
Outlet temperature range 95-131°F
Pressure rating: 150 psi
Certified to NSF/ANSI 61 & 372,
ASSE 1017, CSA B125.3
Sizes: ½"-1"
Optional Check Valve
ASTM F1807 PEX
MIP
Press
SWT



⚠ Thermostatic Mixing Valve For Low Temperature Hydronic Applications & Water Distribution - Max 120°F

Forged brass valve
Outlet temperature range 95-120°F
Pressure rating: 150 psi
Certified to NSF/ANSI 61 & 372,
ASSE 1017, CSA B125.3
Sizes: ½"-1"
Optional Check Valve
ASTM F1807 PEX
MIP
Press
SWT

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LEAD-FREE: Weighted average lead content ≤ 0.25%

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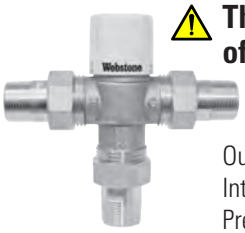
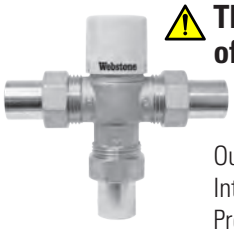


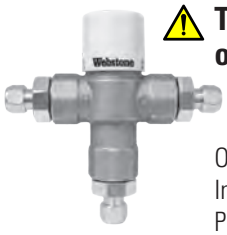
⚠ Thermostatic Mixing Valve for Point of Use Applications - Max 131°F

Forged brass balve
Suitable for single or multiple fixtures
Outlet temperature range 95-131°F
Integral check valve
Pressure rating: 150 psi
Certified to NSF/ANSI 61 & 372,
ASSE 1017, ASSE 1070, CSA B125.3
Sizes: ½"-1"
MIP
SWT



⚠ Thermostatic Mixing Valve for Point of Use Applications - Max 120°F

Forged brass valve
Suitable for single or multiple fixtures
Outlet temperature range 95-120°F
Integral check valve
Pressure rating: 150 psi
Certified to NSF/ANSI 61 & 372,
ASSE 1017, ASSE 1070, CSA B125.3
Sizes: ½"-1"
MIP
SWT



⚠ Thermostatic Mixing Valve for Point of Use Application - Max 131°F

Forged brass valve
Suitable for single fixtures only
Outlet temperature range 95-131°F
Integral check valve
Pressure rating: 150 psi
Certified to NSF/ANSI 61 & 372,
ASSE 1017, ASSE 1070, CSA B125.3
Sizes: 3/8"
Compression

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Notes

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Notes

NIBCO Pressure-Rated Valves Warranty

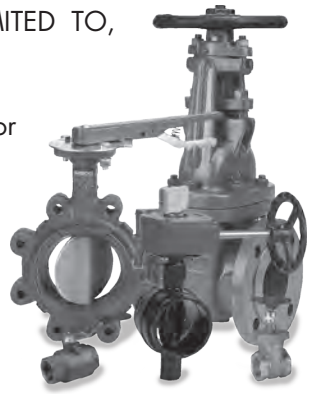
5 year 125% warranty

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

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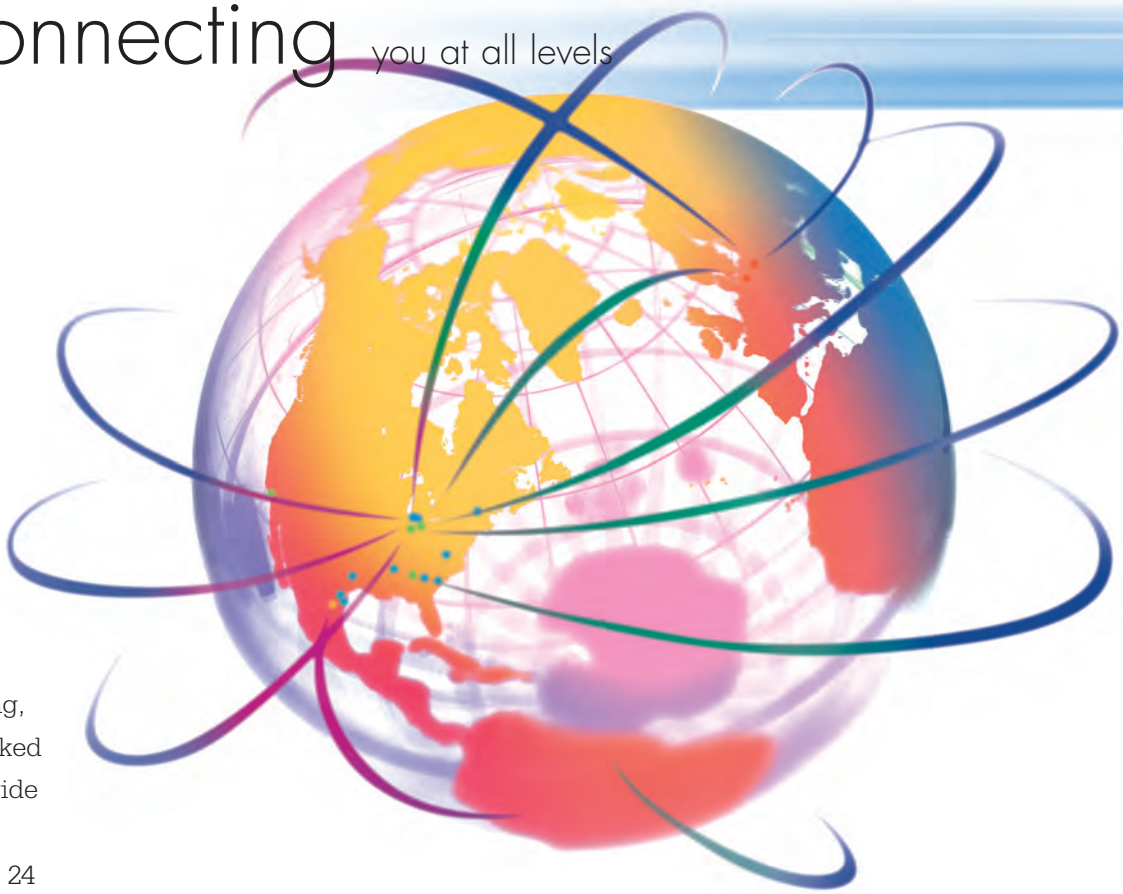
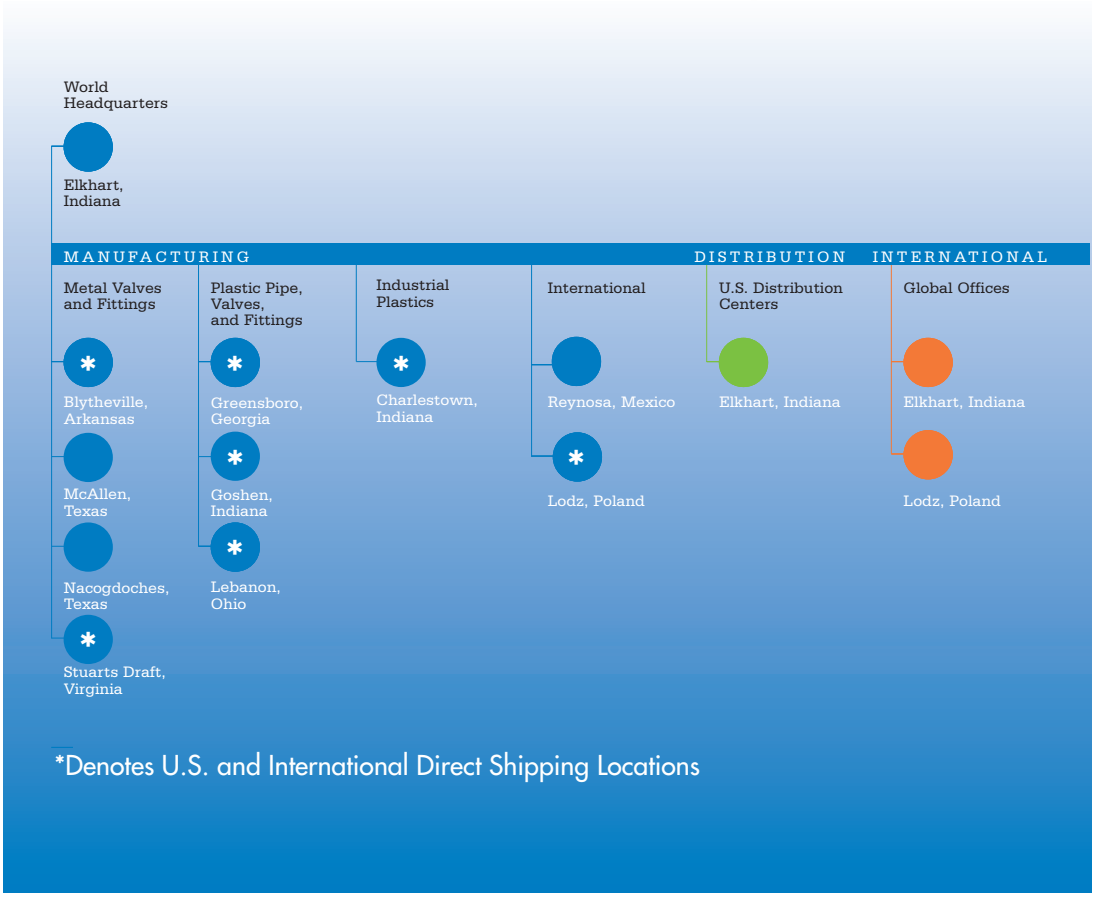
globally connecting you at all levels



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.



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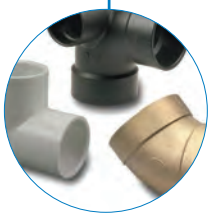
VALVES

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 • Lined butterfly valves • Circuit balancing valves • Carbon and stainless steel ball valves • ANSI flanged steel ball valves • Lined 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 and CPVC plumbing and industrial ball valves • Bronze & Iron Y-strainers • Sample valves • Sanitary valves • Lead-Free valves • Coil-Connect® Kits

LEAD-FREE: Weighted average lead content ≤0.25%

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 BlazeMaster® fire protection fittings • Lead-Free fittings



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LEAD-FREE: Weighted average lead content ≤0.25%

FLEXIBLE PIPING SYSTEMS

PE-RT and PEX tubing for potable and radiant applications • Insulated tubing • Risers • Ice maker tubing • Silicon Performance Bronze® fittings • Poly alloy fittings • Home Run Manifold® • Radiant heat manifolds • Ball valves and supply stops • Connections, tools and accessories • Radiant heat controls and panels

INDUSTRIAL PLASTICS

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

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