NIBCO®

Specified Valve Index

C-SVI-1118

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.com[sm] 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

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www.nibco.com

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

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 five generations of family ownership.

Table of Contents

Bronze Ball Valves - 1 and 2 Piece
T-560-BR-R/Y-20/66 6
T/S-580-70 6
T/S-580-70-66 6
T/S-580-80/66-LF 6
T/S-585-70 6
T/S-585-70-66 6
T/S-585-70-HC 6
T/S-585-70-66-HC 6
T/S-585-80/66-LF 6
T/S-585-80/66-LF-HC 6
TPC-585-70 6
TPC-585-70-66 6
TPC-585-80/66-LF 6
PC-585-70 7
PC-585-77-66 7
PC-585-80/66-LF 7
PC-585-70-HC 7
PC-585-70-66-HC 7
PC-585-80/66-LF-HC 7
TS/ST-585-70 7
MTT-585-70 7
T-585-70-CP 7
T/S-585-70-SU w/Single Union 8
T-585-70-66-ST 8
T-585/580-70-SV w/Safety Vent 8
T-585/580-70-UL 8
TM-585-70-66 w/ Mounting Pads 8
T/S-585-70-W3 Three-Way Valve 8
T/S-585-70-66-W3 Three-Way Valve 8
KT/KG-505-W-4/8 8
KT-580/585-70-UL 8
Bronze Ball Valves - 3 Piece
T/S-590-Y 9
T/S-590-Y-66 9
G-590-Y 9
G-590-Y-66 9
T/S-595-Y 9
T/S-595-Y-66 9
PC-595-Y/R-LF 9
PC-595-Y/R-66-LF 9
T/S-595-Y-LF 9
T/S-595-Y-66-LF 9
T-595-Y-SS 9
T-595-Y-66-SS 9
TS-595-Y 9
G-595-Y 9
G-595-Y-66 9
T-595-Y-UL 9
CS-595-YX/EC 9
CS-595-YX-66/EC 9
Carbon Steel Ball Valves
T-560-CS-R-25-LL 10
T-560-CS-R-25-FS-LL 10
T-560-CS-R-66-LL 10
T-560-CS-R-66-FS-LL 10
T-570-CS-R-25/66 10
TC-580-CS-R-25/66-LL 10
TC-580-CS-R-25/66-SR 10
T-580-CS-R-25/66 10
TM/KM/BM-590-CS-R-66-FS-LL 10
T/K-595-CS-R-66-LL 10
TM/KM-595-CS-R-66 10
Stainless Steel Ball Valves
T-560-S6-R-66-LL 11
T-560-S6-R-66-FS-LL 11
T-580-S6-R-66 11
T-580-S6-R-66-SR 11
T-585-S6-R-66-LL/SR 11
TM/KM/BM-590-S6-R-66-FS-LL 11
T/K-595-S6-R-66-LL 11
TM/KM-595-S6-R-66 11
Carbon Steel Flanged Ball Valves
F-510/530-CS-R-66-FS 12
F-515/535-CS-F-66-FS 12
Stainless Steel Flanged Ball Valves
F-510/530-S6-R-66-FS 12
F-515/535-S6-F-66-FS 12
Balancing Valves
1805 14
1810 14
1810LF 14
1880 14
1820 14
1830 14
721-AP 14
737 14
739 14
Butterfly Valves
GD-4765/4775 15
GD-4765N 15
GD-4865/6865-4N 15
GD-4865/6865-8N 15
LD-1000 SERIES 16
LD/WD-2000 SERIES 16
PFD-2000 SERIES 16
LD/WD-3000 SERIES 16
LD/WD-3510 16
LD/WD-5022 16
FC-2765, FC-2775 16
FC-5765, FC-5775 16
High Performance Butterfly Valves
LCS-6822-3 17
LCS-6822-5 17
LCS-7822-3 17
LCS-7822-5 17
G1L-SSSR-H10 18
G1L-SSSR-G 18
G3L-SSSR-H10 18
G3L-SSSR-G 18
Bronze Gate Valves
T-103-HC 20
T-104-O 20
T/S-111 20
T/S-111-LF 20
PC-111-LF 20
PF-111 20
T/S-113 20
T/S-113-LF 20
T-113-HC 20
PC-113-LF 20
PF-113 20
T-124 21
T-131 21
T-133 21
T/S-134 21
T-134 (Bolted Bonnet) 21
T/S-136 21
T-136 (Bolted Bonnet) 21
T-154-A 21
T-174-A/SS 21
T-176-A/SS 21

Bronze Globe Valves
KT-65-UL 22
KT-211-W-UL 22
T/S-211-B/Y 22
PF-211-Y 22
T/S-235-Y 22
T-256-AP 22
T-275-B/Y 22
T-276-AP 22
KT-291-W3 22

Bronze Angle Valves
KT-67-UL 23
T-301-W 23
T/S-311 23
PF-311-Y 23
T-331-HC 23
T-335-Y 23
T-375 23
T-376-AP 23

Bronze Check Valves
KT-403-W 24
T/S-413 -B/Y/W/V 24
T/S-413-Y-LF 24
PC-413-Y-LF 24
PF-413-Y 24
T/S-433-B/Y 24
S-433 (Bolted Bonnet) 24
T-453-B 24
T-473-B/Y 24
T/S-480-Y 24
T/S-480-Y-LF 24
PF-480-Y 24

Iron Gate Valves
F-607-OTS 25
F-607-RWS 25
M/F-609 25
M/F-609-RWS 25
F/T-617-O 25
F/T-617-ON 25
F/T-619-N/SON 25
F-619-RWS/SON 25
MJ-619-RWS/SON 25
F-667-O 25
F-669 25
F-697-O 25

Iron Globe and Angle Valves
F-718-B 26
F-718-N 26
F-768-B 26
F-818-B 26

Automatic Steam Stop Check Valve
F-869-B 26

Iron Check Valves
KG-900-W-LF 27
KW-900-W-LF 27
F-908-W 27
F-910-LF/F-960-LF 27
W-910-LF/W-960-LF 27
G-917-W 27
F/T-918-B/N 27
G-920-W-LF 27
W-920-W-LF 27
F-968-B 27

Ductile and Alloy Iron Globe, Angle and Check Valves
F-637-31/33 28
F-639-31/33 28
F-738-31 28
F-838-31 28
F-938-13 28
F-938-33-LF 28

Chemtrol® Valves
U45TB 29
F45TB 29
W45BG 29
U51TB 29
F51TB 29
U45BC 29
U51BC 29
S65TB 30
S66TB 30
S61TB 30
S62TB 30
Ball Check Valves 30
PP & PVDF Socket Fusion Joining 30

LEAD FREE PRODUCTS

Bronze
T/S-580-80/66-LF 33
T/S-585-80/66-LF 33
T/S-585-80/66-LF-HC 33
PC585-80/66-LF 33
PC585-80/66-LF-HC 33
PC-595-Y/R-LF 33
PC-595-Y/R-66-LF 33
T/S-595-Y-LF 33
T/S-595-Y-66-LF 33
PC-111-LF 33
T/S-111-LF 33
PC-113-LF 34
T/S-113-LF 34
T/S-413/480-Y-LF 34

Iron
LD-1000 SERIES 34
LD/WD-2000 SERIES 34
GD-4765N 34
F-607-RWS 34
F/MJ-619-RWS/SON 35
KW-900-W-LF 35
KG-900-W-LF 35
G/W-920-W-LF 34
W-910/W-960-LF 35
F-910/F-960-LF 35

WEBSTONE® VALVES

The Isolator® UniFlange Ball Valve
Fixed Flange Ball Valves 36
Rotating Flange Ball Valve 37
Round Flange Ball Valves 38
4-Way Ball Valve 39

Pro-Pal® Series Ball Valves 40-42
Ball Drain™ Valves 40
Union Ball Drain™ Valves 40
Purge & Fill™ Valve 41
Purge Tee™ Valve 41
T-Drain™ Valve 42

Air Separator 42

The Isolator E•X•P™ TWH Service Valves 43-44

Water Heater Tempering Valves 45

Thermostatic Mixing Valves 46-47

Lead-free Catalog Markings:

Manufactured from the HydraPure® silicon Performance Bronze® alloy

LEAD FREE Third-party certified as lead free

LEAD-FREE: Weighted average lead content ≤ 0.25%

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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 pressure steam
- Fire protection control as well as 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"
- Insulated extended locking handle
- 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

LEAD-FREE: Weighted average lead content ≤ 0.25%

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

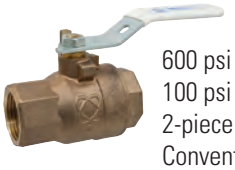
600 psi CWP
1-piece bronze body
Reduced port
Bronze stem, brass ball or SS stem, SS ball
PTFE or RPTFE seats
Threaded connection
MSS SP-110
¼"- 2"

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 brass or SS ball
RPTFE seats
Threaded or solder connection
MSS SP-110
1 ¼"- 3"

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

LEAD FREE

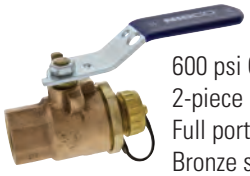


600 psi CWP
100 psi at 300°F
2-piece bronze body
Conventional port
Bronze or SS stem
Brass or SS ball
RPTFE seats
Threaded or solder connection
MSS SP-145
NSF/ANSI 372, NSF/ANSI 61-8
IAPMO/ANSI Z1157 (IGC-157)
1 ¼" – 3†"

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 Brass or SS ball
RPTFE seats
Threaded or solder connection
MSS SP-110
¼"- 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 brass ball or SS stem, SS ball
RPTFE seats
Threaded or solder connection
MSS SP-110
½"- ¾"
Hose cap and chain

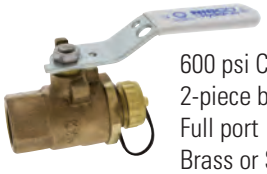
T/S-585-80-LF
T/S-585-66-LF

LEAD FREE

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

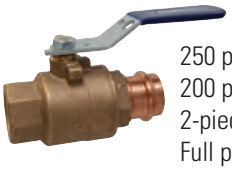
T/S-585-80-LF-HC
T/S-585-66-LF-HC

LEAD FREE



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

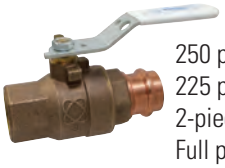
TPC-585-70
TPC-585-77-66



250 psi CWP
200 psi at 250°F
2-piece bronze body
Full port
SS stem, SS ball or bronze stem, chrome plated brass ball
RPTFE seats
Threaded X press end connection
MSS SP-110
½"- 2"

TPC-585-80-LF
TPC-585-66-LF

LEAD FREE



250 psi CWP
225 psi at 250°F
2-piece bronze body
Full port
SS stem, SS ball or bronze stem, brass ball
RPTFE seats
Threaded x Press end connection
MSS SP-110
NSF/ANSI 372, NSF/ANSI 61-8
IAPMO/ANSI Z1157 (IGC-157)
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.

† Patent Pending

LEAD-FREE: Weighted average lead content ≤ 0.25%

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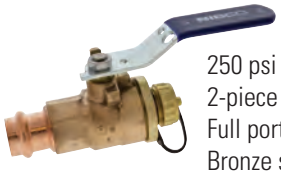
PC-585-70
PC-585-70-66

250 psi CWP
200 psi at 250°F
2-piece bronze body
Full port
Bronze stem, chrome plated
brass ball or SS stem, SS ball
RPTFE seats
Female press end connection
MSS SP-110
½"- 2"

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

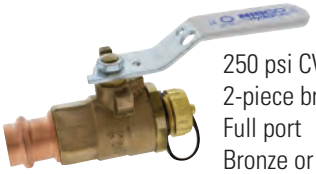
250 psi CWP
225 psi at 250°F
2-piece bronze body
Full port
Bronze or SS stem
Brass or SS ball
RPTFE seats
Female press end connection
MSS SP-110
NSF/ANSI 372, NSF/ANSI 61-8
IAPMO/ANSI Z1157 (IGC-157)
½" - 3"

PC-585-70-HC
PC-585-70-66-HC



250 psi CWP
2-piece bronze body
Full port
Bronze stem, chrome plated
brass ball or SS stem, SS ball
RPTFE seats
Female press end connection
x ¾" hose connection
MSS SP-110
½"- ¾"
Hose cap and chain

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
RPTFE seats
Female press end connection
x ¾" hose connection
MSS SP-110
NSF/ANSI 372, NSF/ANSI 61-9
IAPMO/ANSI Z1157 (IGC-157)
½" and ¾"
Hose cap and chain

TS/ST-585-70

600 psi CWP/150 psi SWP
2-piece bronze body
Full port
Bronze stem
Chrome plated brass ball
RPTFE seats
Threaded x solder or
solder x threaded connection
MSS SP-110
½"- 2"

MTT-585-70

600 psi CWP/150 psi SWP
2-piece bronze body
Full port
Bronze stem
Chrome plated brass ball
RPTFE seats
Male x female threaded
end connection
MSS SP-110
½"- 2"

T-585-70-CP

600 psi CWP/150 psi CWP
2-piece bronze body
w/ chrome plating
Full port
Bronze stem
Chrome plated brass ball
RPTFE seats
Threaded connection
MSS SP-110
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%

T/S-585-70-SU

600 psi CWP/150 psi SWP
2-piece bronze body
Full port
Bronze stem
Chrome plated brass ball
Thrd x Thrd, S x S,Thrd x S,
S x Thrd connections
MSS SP-110
½"- 2"
Single union

T-585-70-66-ST

600 psi CWP/250 psi SWP
2-piece bronze body
Full port
SS stem, SS ball
Carbon-filled PTFE seats
Threaded connection
MSS SP-110
½"- 2"

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 ¼"- 2"
Bronze stem
Chrome plated brass ball
RPTFE seats
Threaded connection
MSS SP-110
OSHA 1910.147
½"- 2"

T-580-70-UL
T-585-70-UL

250 psi non-shock LP Gas
2-piece bronze body
Full Port ¼"- 1",
Conventional port 1 ¼"- 3"
Bronze stem
Chrome plated brass ball
RPTFE seats
Threaded connection
MSS SP-110
ANSI/ASME B 16.33,
CGA3.16, UL842 valves for
Flammable fluids
¼"- 3"

TM-585-70-66

600 psi CWP
150 psi SWP
2-piece bronze body
w/ ISO direct mount actuation
pad per ISO 5211
Full port ½"- 2"
Conventional port 2 ½"
SS stem, SS ball
RPTFE seats
Threaded connection
MSS SP-110
½"- 2 ½"

T/S-585-70-W3
T/S-585-70-66-W3

400 psi CWP
2-piece bronze three-way body
Full port ½"- 1"
Conventional port 1 ¼"- 2"
Brass stem, chrome plated brass
ball or SS stem, SS ball
Threaded or solder connection
MSS SP-110
½"- 2"

KT/KG-505-W-8

300 psi WWP
2-piece UL/FM with or
without tamper switches
Full port
Bronze stem
Chrome plated brass ball
Carbon-filled PTFE seats
1"- 2 ½" threaded
2"- 2 ½" grooved
UL/FM approved for indoor
and outdoor use
California State Fire Marshall listed
Approved by NYC M.E.A.

KT-580-70-UL
KT-585-70-UL

300 psi WWP
2-piece bronze fire protection trim valve
Full port 1/4" - 1"
Conventional port 1 ¼" - 3"
Bronze stem
Chrome plated brass ball
RPTFE seats
Threaded connection
MSS SP-110
UL listed for trim and drain (UL Subject 258)
FM approved

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.

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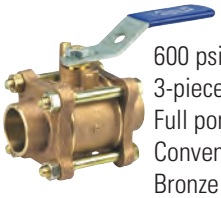
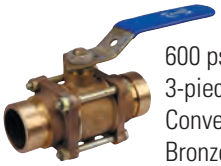
T/S-590-Y
T/S-590-Y-66



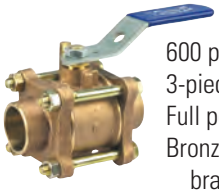
600 psi CWP/150 psi SWP
3-piece bronze body
Full port ¼"- 1"
Conventional port 1 ¼"- 3"
Bronze stem, chrome plated brass ball or SS stem, SS ball
PTFE seats
Threaded or solder connection
MSS SP-110
¼"- 3"

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
PTFE seats
Grooved connection
MSS SP-110
1 ½"- 3"

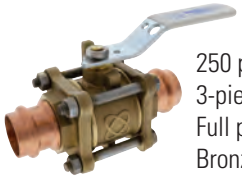
T/S-595-Y
T/S-595-Y-66



600 psi CWP/150 psi SWP
3-piece bronze body
Full port
Bronze stem, chrome plated brass ball or SS stem, SS ball
PTFE seats
Threaded or solder connection
MSS SP-110
¼"- 2 ½"

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

LEAD FREE



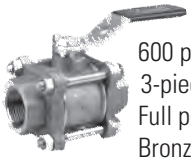
250 psi CWP/225 psi at 250°F
3-piece bronze body
Full port, blowout-proof stem
Bronze or SS stem
Brass or SS ball
PTFE or RPTFE Seats
Press end connections
Commercial Hot 180°F
NSF/ANSI 372 SP-110/145
NSF/ANSI/CAN 61-2018
½" - 2½"

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
PTFE seats
Threaded or solder connection
MSS SP-145
NSF/ANSI 372 and NSF/ANSI 61-8
¼"- 2 ½"

T-595-Y-SS
T-595-Y-66-SS

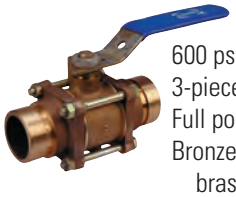


600 psi CWP/150 psi SWP
3-piece body
Full port
Bronze stem, chrome plated brass ball or SS stem, SS ball
PTFE seats
Threaded Only
MSS SP-110
¼" - 2 ½"
SS externals

T/S-595-Y

600 psi CWP/150 psi SWP
3-piece bronze body
Full port
Bronze stem
Chrome plated brass ball
PTFE seats
Thread x solder connection
MSS SP-110
¼"- 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
PTFE seats
Grooved connection
MSS SP-110
1 ½"- 2 ½"

T-595-Y-UL

175 psi Non-Shock LP Gas
3-piece bronze body
Full port
Bronze stem
Chrome plated brass ball
PTFE seats
Threaded connection
MSS SP-110
UL842
¼"- 2"

CS-595-YX/EC and CS-595-YX-66/EC

600 psi CWP
185 psi medical gas
3-piece bronze body w/ copper stub ends
Full port
Bronze stem, chrome plated brass ball or SS stem, SS ball
PTFE seats
Straight or expanded Copper tube connection
MSS SP-110
NFPA 99C and
CGA pamphlet G-4-1
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%

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
Graphoil packing, RPTFE seat
Threaded connection
MSS SP-110
NACE MR Ø175
¼"- 2"

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

2000 psi CWP
1-piece carbon steel body
Locking lever handle
Reduced port
CS stem or SS stem
SS ball
Graphoil packing, RPTFE seat
Threaded connection
MSS SP-110
NACE MR Ø175
API 607 4th ed. fire safe
¼"- 2"

T-570-CS-R-25/66

2000 psi CWP 1/2"- 1"
1500 psi CWP 1 ¼"- 2"
1-piece CS bar stock body
Reduced port
CS stem, CS ball
or SS stem, SS ball
PTFE packing & RPTFE seat
Threaded connection
MSS SP-110
NACE MR Ø175
½"- 2"

TC-580-CS-R-25/66-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
NACE MR Ø175
¼"- 2"

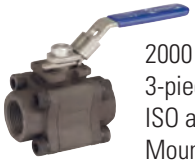
TC-580-CS-R-25/66-SR

2000 psi CWP
2-piece carbon steel body
Mounting pad
Spring return handle
Conventional port
CS stem or SS stem
SS ball
Carbon-filled PTFE packing
RPTFE seat
Threaded connection
MSS SP-110
NACE MR Ø175
¼"- 2"

T-580-CS-R-25/66

2000 psi CWP 1/4"- 1"
1500 psi CWP 1 ¼"- 2"
2-piece carbon steel body
Conventional port
CS stem or SS stem
SS ball
RPTFE packing
RPTFE seat
Threaded connection
MSS SP-110
NACE MR Ø175
¼"- 2"

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

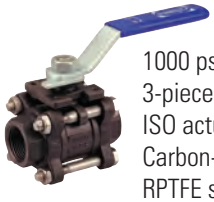


2000 psi CWP
3-piece CS body
ISO actuation
Mounting pad
Locking lever handle
Conventional port
Graphoil packing, RPTFE seat
SS stem
SS ball
Enclosed bolt design
Threaded, socket weld or
butt weld connection
MSS SP-110, MSS SP-72
NACE MR Ø175
API 607 4th ed. fire safe
API 608 anti-static
½"- 2"

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

1000 psi CWP
3-piece carbon steel body
Locking lever handle
Full port
SS stem
SS ball
Carbon filled PTFE packing
RPTFE seat
Threaded or socket weld connection
MSS SP-110
NACE MR Ø175
¼"- 2"

TM/KM-595-CS-R-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
NACE MR Ø175
¼"- 2"

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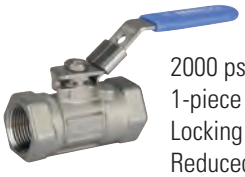
T-560-S6-R-66-LL

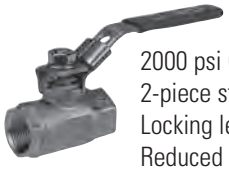
2000 psi CWP
1-piece stainless steel body
Locking lever handle
Reduced port
SS stem
SS ball
RPTFE seat, graphoil packing
Threaded connection
MSS SP-110
NACE MR Ø175
¼"- 2"

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
NACE MR Ø175
¼"- 2"

T-580-S6-R-66-LL

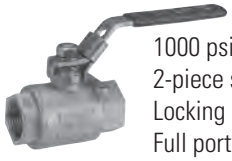


2000 psi CWP
2-piece stainless steel body
Locking lever handle
Reduced port
SS stem
SS ball
Carbon-filled PTFE packing
RPTFE seat
Threaded connection
MSS SP-110
NACE MR Ø175
¼"- 2"

T-580-S6-R-66-SR

2000 psi CWP
2-piece stainless steel body
Spring return handle
Reduced port
SS stem
SS ball
Carbon-filled PTFE packing
RPTFE seat
Threaded connection
MSS SP-110
NACE MR Ø175
¼"- 2"

T-585-S6-R-66-LL

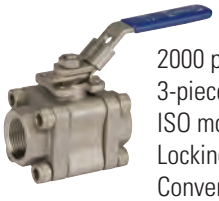


1000 psi CWP
2-piece stainless steel body
Locking lever handle
Full port
SS stem
SS ball
Carbon-filled PTFE packing
RPTFE seat
Threaded connection
MSS SP-110
NACE MR Ø175
¼"- 2"

T-585-S6-R-66-SR

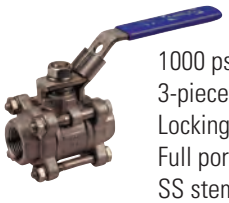
1000 psi CWP
2-piece stainless steel body
Spring return handle
Full port
SS stem
SS ball
Carbon-filled PTFE packing
RPTFE seat
Threaded connection
MSS SP-110
NACE MR Ø175
¼"- 1"

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, graphoil packing
Threaded, socket weld
or butt weld connections
MSS SP-110, MSS SP-72
API 607 4th ed. fire safe
API 608 anti-static
NACE MR Ø175
¼"- 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 or socket
weld connections
MSS SP-110
NACE MR Ø175
¼"- 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 or socket
weld connections
MSS SP-110
NACE MR Ø175
¼"- 2"

⚠ F-510-CS-R-66-FS

285 psi CWP
1-piece carbon steel body
Conventional port
SS ball and stem
Graphite & braided graphite packing set
RPTFE seat
Class 150 ASME B16.5 flanged connection
MSS SP-72, ASME B16.34
API 607 4th ed. fire safe
API 608 anti-static, API 598
½"- 12"

⚠ F-510-S6-R-66-FS

275 psi CWP
1-piece stainless steel body
Conventional port
SS ball and stem
Graphite & braided graphite packing set
RPTFE seat
Class 150 ASME B16.5 flanged connection
MSS SP-72, ASME B16.34
API 607 4th ed. fire safe
API 608 anti-static, API 598
½"- 12"

⚠ F-515-CS-F-66-FS

285 psi CWP
2-piece carbon steel body
Full port
SS ball and stem
Graphite & braided graphite packing set
Carbon-filled PTFE seat
Class 150 ASME B16.5 flanged connection
MSS SP-72, ASME B16.34
API 607 4th ed. fire safe
API 608 anti-static, API 598
½"- 12"

⚠ F-515-S6-F-66-FS

275 psi CWP
2-piece stainless steel body
Full port
SS ball and stem
Graphite & braided graphite packing set
Carbon-filled RPTFE seat
Class 150 ASME B16.5 flanged connection
MSS SP-72, ASME B16.34
API 607 4th ed. fire safe
API 608 anti-static, API 598
½"- 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, ASME B16.34
API 607 4th ed. fire safe
API 608 anti-static, API 598
½"- 10"

⚠ F-530-S6-R-66-FS

720 psi CWP
1-piece stainless 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, ASME B16.34
API 607 4th ed. fire safe
API 608 anti-static, API 598
½"- 10"

⚠ F-535-CS-F-66-FS

740 psi CWP
2-piece carbon steel body
Full port
SS ball and stem
Graphite & braided graphite
packing set
Carbon filled PTFE seat
Class 300 ASME B16.5 flanged connection
MSS SP-72, ASME B16.34
API 607 4th ed. fire safe
API 608 anti-static, API 598
½"- 12"

⚠ F-535-S6-F-66-FS

720 psi CWP
2-piece stainless steel body
Full port
SS ball and stem
Graphite & braided graphite packing set
Carbon-filled PTFE seat
Class 300 ASME B16.5 flanged connection
MSS SP-72, ASME B16.34
API 607 4th ed. fire safe
API 608 anti-static, API 598
½"- 12"

LEAD FREE

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

⚠ **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.**

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Balancing Valves

NIBCO puts you in control with its balancing valves. These control valves are used to maintain a comfortable indoor climate while saving energy and reducing costs. Engineers specify NIBCO® 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 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

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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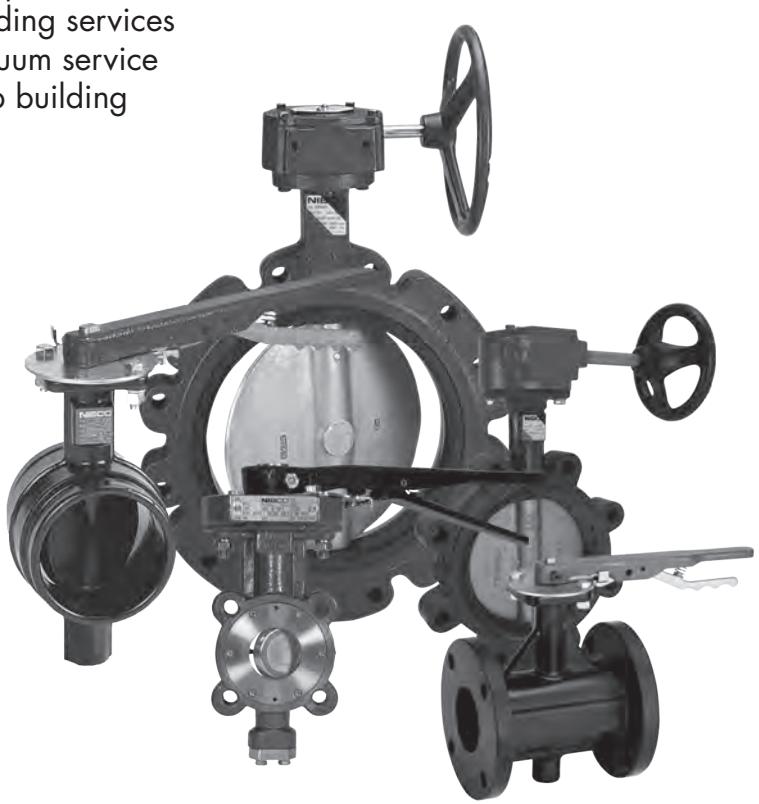
Butterfly Valves

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"

⚠ **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%

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"

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%
*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"

⚠ **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

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"

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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"

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%

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"

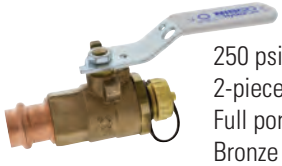
T/S-585-80-LF-HC
T/S-585-66-LF-HC
LEAD FREE

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

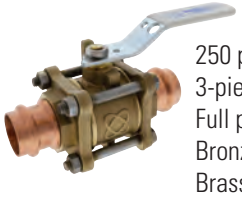
250 psi CWP
225 psi at 250°F
2-piece bronze body
Full port
Bronze or SS stem
Brass or SS ball
Female press end connection
MSS SP-145
NSF/ANSI 372, NFS/ANSI 61-8
IAPMO/ANSI Z1157 (IGC-157)
½" - 3"

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



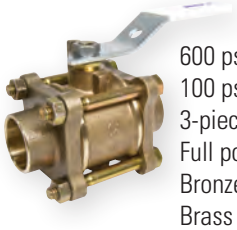
250 psi CWP
2-piece bronze body
Full port
Bronze or SS stem
Brass or SS ball
Female press end connection
x 3/4" hose connection
MSS SP-145
NSF/ANSI 372, NFS/ANSI 61-9
IAPMO/ANSI Z1157 (IGC-157)
½" and ¾"
Hose cap and chain

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"

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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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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

⚠ **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.**

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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LEAD-FREE: Weighted average lead content ≤ 0.25%

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www.nibco.com

EXPANSION TANK PRO SERVICE VALVE™

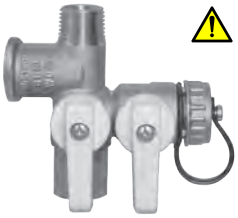
The 3-way ball controls flow between the expansion tank and the system.

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

⚠ **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.**

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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www.nibco.com

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

⚠ **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.**

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

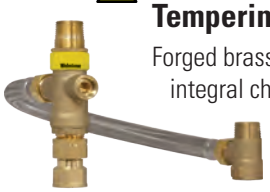
HOT WATER
MADE **BETTER**

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

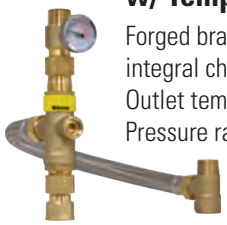
- Heavy duty forged brass construction
- Integrated recirculation port simplifies installation
- Optional temperature gauge available
- Available ProPush™ flexible connectors easily connect to Copper, CPVC or PEX
- Lead-free brass suitable for use with potable water
- Guaranteed for life

⚠ 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

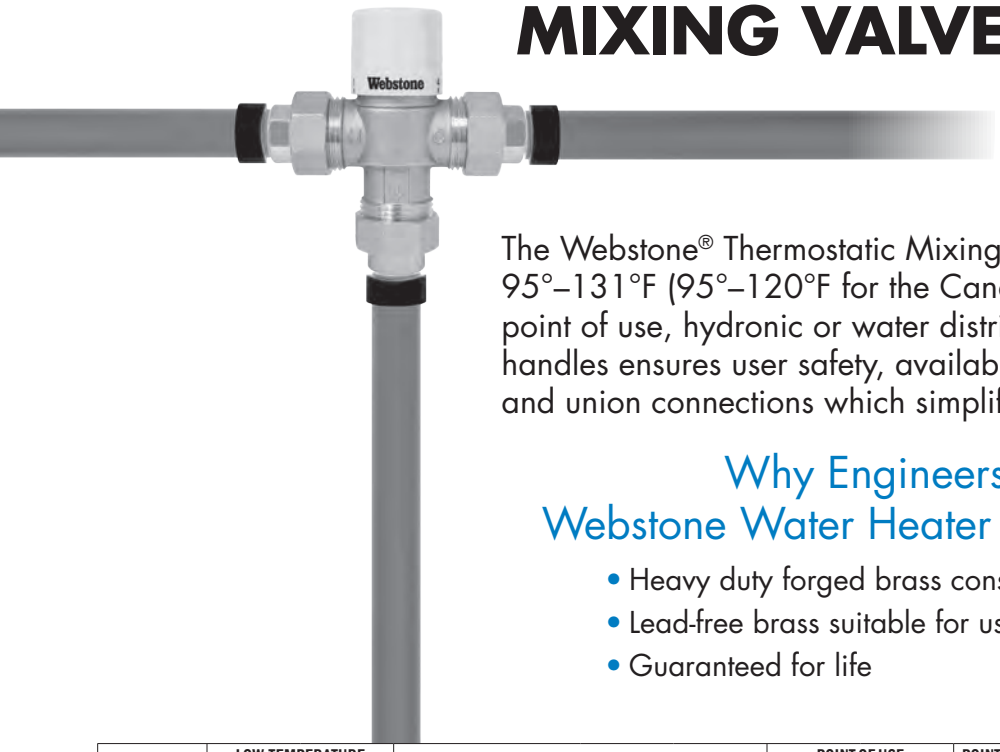


Forged brass valve w/ 18" flex hose connector & integral check valve
Outlet temperature range 86°-120°F
Pressure rating: 150 psi
Certified to NSF/ANSI 61 & 372
Sizes: ¾" MIP x FIP

⚠ **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%

THERMOSTATIC MIXING VALVE



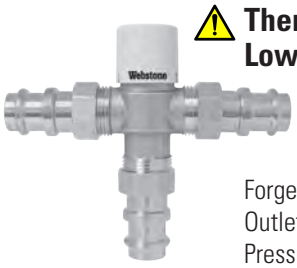
BECAUSE
NO ONE LIKES
TO **GET BURNED**

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:

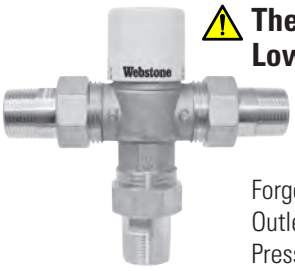
- Heavy duty forged brass construction
- Lead-free brass suitable for use with potable water
- Guaranteed for life

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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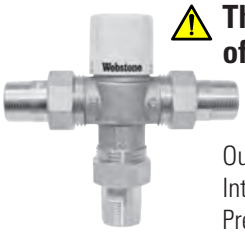
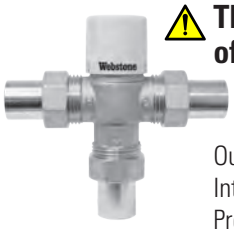


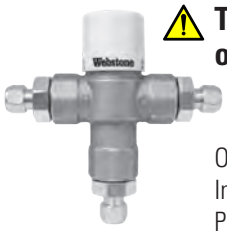
⚠ Thermostatic Mixing Valve for Point of Use Applications - Max 131°F

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

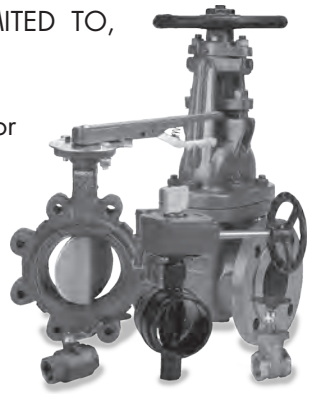
5 year 125% warranty

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.

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Elkhart, IN 46516-4740
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FAX: 1.574.295.3307 or 1.888.336.4226

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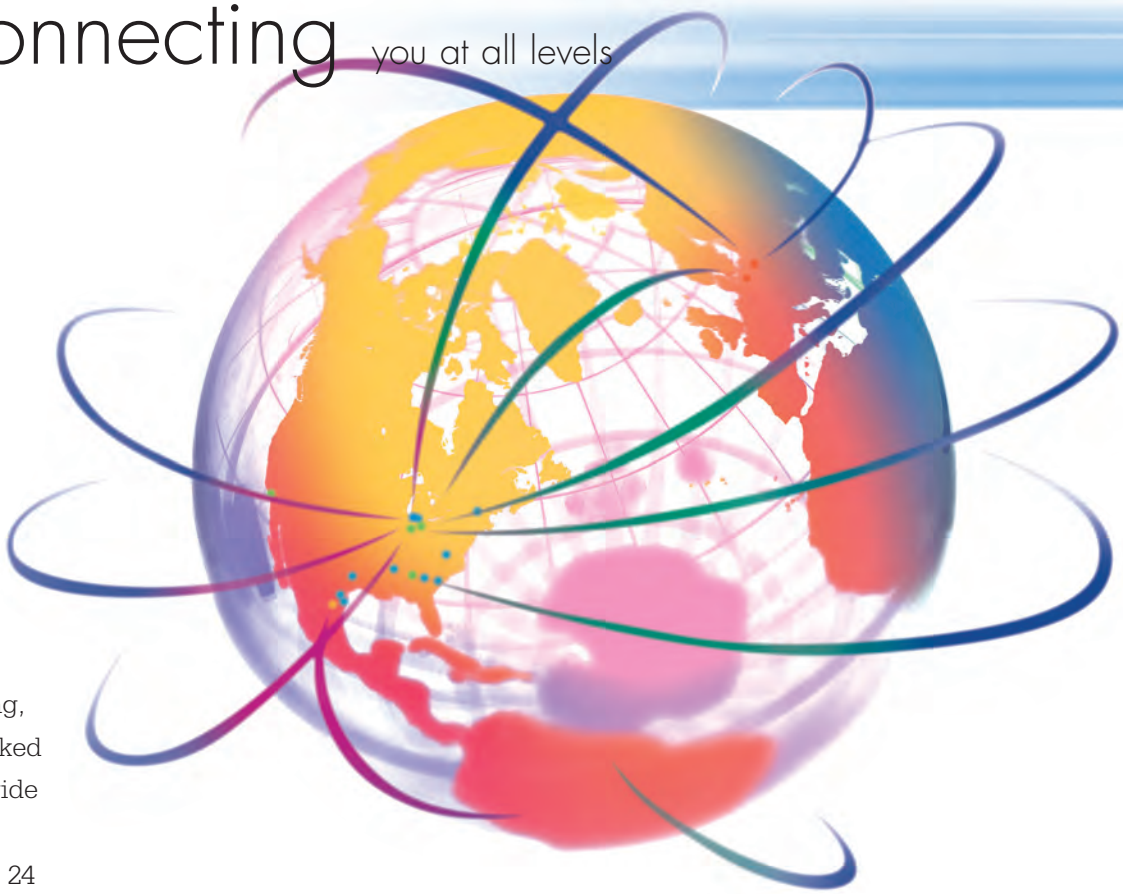
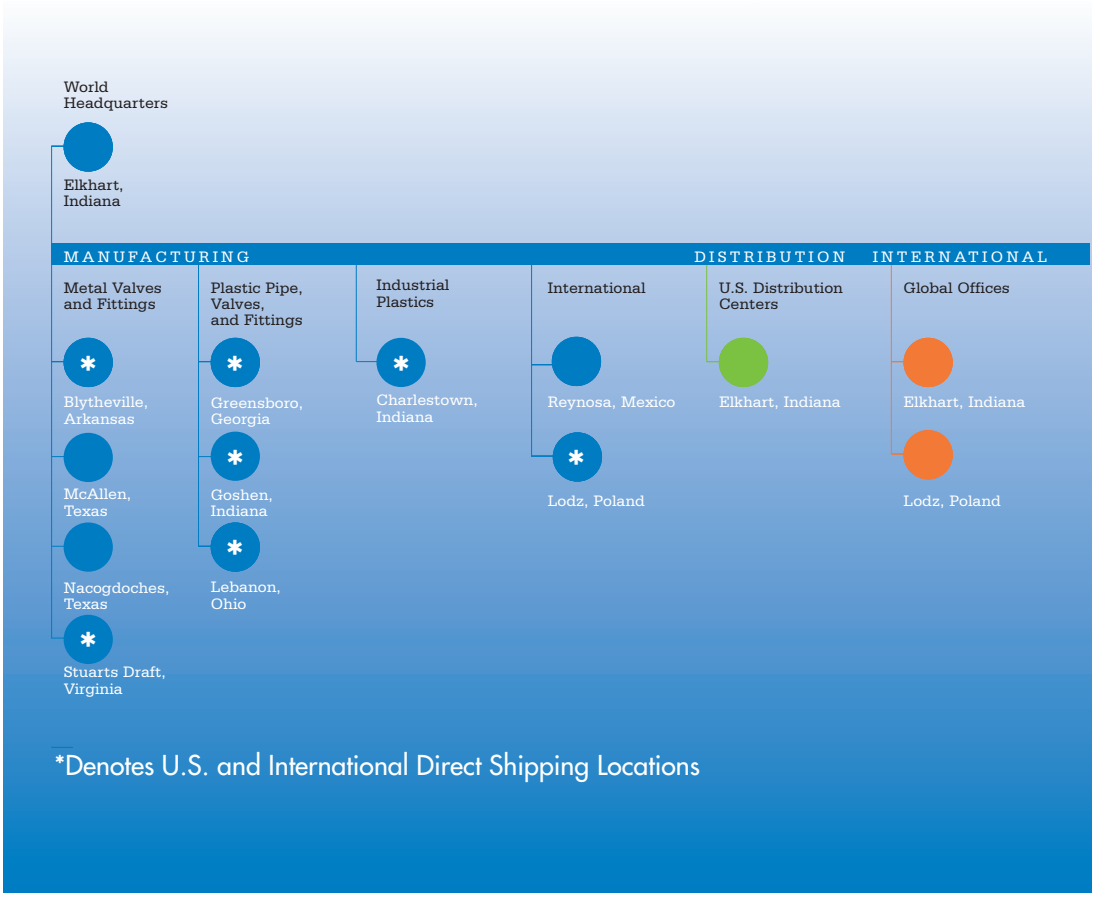
globally connecting you at all levels



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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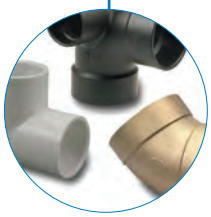
VALVES

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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AHEAD OF THE FLOW®

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