

FULL LINE CATALOG

**FNW**<sup>®</sup>

We trace our roots to Familian Northwest, established in Portland, Oregon, in 1969. In the late '70s, some industrious sales associates, responding to a demand from the pulp and paper industry, developed the first all-cast stainless steel knife gate valve in the country. Since that day, we've been steadily expanding our offerings to meet the needs of customers across a wide range of industries.

## OUR PROMISE



### 1 QUALITY

Our products are held to a high standard of quality and meet or exceed all applicable specifications.

### 2 DIVERSIFICATION

We offer a diversified portfolio, including a variety of specialized and everyday products.

### 3 CONSISTENCY

We're proud to offer products that customers around the world count on each and every day.

### 4 TRUST

Every product we create is done so with the end goal of obtaining and maintaining our customers' trust.

COMMERCIAL



INDUSTRIAL



RESIDENTIAL



FIRE & FABRICATION



HVAC



WATERWORKS



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## LOW LEAD PRODUCTS



### BRASS BALL VALVE

#### FIGURE X410C/X411C

- 2 PC FULL PORT 600 WOG
- NPT (X410C), Sweat (X411C)
  - 600 WOG
  - CSA rated (X410C only)
  - NSF 61/372 certified
  - Adjustable Packing
  - X410C sizes 1/4" – 4"
  - X411C sizes 3/8" – 3"



### BRASS BALL VALVE

#### FIGURE X415/X416

- 2 PC FULL PORT 600 WOG
- NPT (X415), Sweat (X416)
  - Rated 150 WSP
  - CSA rated (X415 only)
  - FM rated to 400 PSI (X415 only)
  - NSF 61/372 certified
  - Dual o-ring packing
  - Sizes 1/4" – 4"



### BRASS BALL VALVE

#### FIGURE X420A/X421

- 2 PC FULL PORT 600 WOG
- NPT (X420A), Sweat (X421)
  - Rated 150 WSP
  - NSF 61/372 certified
  - Optional locking device, t-handle, stem extension & more
  - Sizes 1/2" – 2" NPT



### BRASS BALL VALVE

#### FIGURE X430

- 200 PSI PRESS CONNECTION FOR WATER SERVICE
- Full port design
  - NSF 61/372 certified
  - Forged body & end cap
  - Blowout-proof stem
  - Adjustable Packing
  - Sizes 1/2" – 2"



### BRASS BALL VALVE

#### FIGURE X432

- 200 PSI PRESS CONNECTION FOR WATER SERVICE
- Economical design
  - Full port
  - NSF 61/372 certified
  - Blowout-proof stem
  - Dual o-ring packing
  - Sizes 1/2" – 2"



### BRASS BALL VALVE

#### FIGURE X432AXLC

- 200 PSI PRESS CONNECTION FOR WATER SERVICE
- Economical design
  - Full port (4" is standard port)
  - NSF 61/372 certified
  - Blowout-proof stem
  - Dual o-ring packing
  - Sizes 2-1/2", 3" & 4"



### BRASS BALL VALVE

#### FIGURE X440

- 2 PC FULL PORT 600 WOG ISO MOUNT
- ISO 5211 mounting pad
  - Rated 150 WSP
  - O-ring backed seats
  - NSF 61/372 certified
  - Double-ring Viton® packing
  - Sizes 1/2" – 2"



### BRASS COMP BALL VALVE

#### FIGURE X480A

- 2 PC STANDARD PORT 400 W/ COMPRESSION ENDS
- Drain with cap
  - NSF 61/372 certified
  - Adjustable Packing
  - Sizes 1/2", 3/4" & 1"

## LOW LEAD PRODUCTS



### BRASS PUSH FIT BALL VALVE

#### FIGURE X485A

FULL PORT 200 PSI FOR WATER OR AIR

- For Copper, CPVC & PEX pipe
- Includes removal tool
- NSF 61/372 certified
- Sizes 1/2", 3/4" & 1"



### BRONZE BALL VALVE

#### FIGURE X450/X451

FORGED

- 600 WOG
- 400 max PSI for FM-approved applications (X450 only)
- 150 WSP
- Full port
- NSF 61/372 certified
- Blowout-proof stem
- Dual o-ring



### BRASS INLINE CHECK VALVE

#### FIGURE X431

200 PSI PRESS CONNECTION FOR WATER SERVICE

- High capacity design
- Low 1/2 PSI cracking pressure
- Soft seat for tight shutoff
- NSF 61/372 certified
- Forged body & end cap
- Sizes 1/2" – 2"



### Y-STRAINER

#### FIGURE X509/X510

BRONZE

- FNPT (X509), Sweat (X510)
- 400 WOG
- 150 PSI SWP
- NSF 61/372 certified
- Cast bronze body
- 20 mesh stainless steel screen
- Blow-off plug included
- Sizes 1/2" – 2"



### COPPER PRESS FITTINGS

- Leak detection feature
- BIM files available
- Standard operating pressure 300 PSI
- Factory installed EPDM seals
- Compatible with most major pressing tools
- NSF 61/372 certified
- Sizes 1/2" – 4" (unions 1/2" – 2")



- Couplings
- Elbows
- Tees
- Reducers
- Adapters
- Caps
- Flanges
- Unions



### WATER HAMMER ARRESTOR

#### FIGURE X10P/X11P

- Male NPT (X10P), Copper sweat (X11P)
- 150 PSI max static working pressure
- 350 PSI max spike pressure
- Lead free certified
- Sizes 1/2" – 2" NPT, 1/2" – 1-1/4" sweat
- PDI certified



### PRESSURE GAUGES

#### FIGURE XG/XLFG

LIQUID FILLED & CONTRACTOR

- Complies with federal lead free laws
- 2-1/2" liquid filled (glycerin)
- 4-1/2" mechanical contractor's ranges from 0 – 30 PSI to 0 – 300 PSI

## LOW LEAD PRODUCTS



### BRASS GAUGE ACCESSORIES

- Complies with federal lead free laws
- Needle valves
- Pressure snubber/filters
- P/T test plugs
- Thermowells

## ACTUATION



### PNEUMATIC ACTUATORS AC SERIES

- Cylinder (pneumatic & hydraulic)
- Rack & pinion
- Double-acting spring-return



### PNEUMATIC ACTUATORS ASD SERIES

- Cylinder (pneumatic & hydraulic)
- Spring & diaphragm



### SOLENOID VALVES

#### FIGURE 3214/4212/4214/4238/5214

- 3/4/5 way
- 1/4" – 1/2" port sizes
- NAMUR and Inline mounting
- Weather-Proof & Explosion-Proof enclosures
- AC & DC coil options
- SIL Certified

## CAM & GROOVE FITTINGS



### ALUMINUM

- Variety of available connections
- A356T6 MOD
- A-A-59326D compatible
- Dust caps & plugs



### BRASS

- Variety of available connections
- C38500 MOD
- A-A-59326D compatible
- Dust caps & plugs



### STAINLESS STEEL

- Variety of available connections
- CF8M MOD
- A-A-59326D compatible
- Dust caps & plugs



### KING NIPPLES

- Connection: MNPT X Hose
- Stainless steel
- Unplated carbon steel
- Zinc-plated carbon steel
- Beveled or threaded

## FASTENERS



### BOLTS

- Carriage bolts
- Stove Bolts
- Hex head cap screws
- Toggle bolts
- Tottle bolt wings



### NUTS

- Heavy hex nuts
- Hex nut
- Rod coupling nut



### SCREWS

- Drywall screws
- Hex lag screws
- Self-drilling screws
- Wood screws



### WASHERS

- Fender washers
- Flat washers

## HANGERS, STRUTS & ACCESSORIES



### STRUT ACCESSORIES

- Made in the USA
- Strut, tube & conduit clamps
- Angle fittings
- Flat Fittings
- Channel nuts
- Post bases
- Rollers
- Brackets
- Various finishes



### PIPE SUPPORTS

- Made in the USA
- UV Resistant
- Recycled rubber, polyethylene foam & weatherproof polycarbonate options available
- Compatible with most rooftop materials or other flat surfaces



### STRUT CHANNEL

- 12 & 14 Gauge
- 10 & 20 ft lengths
- Half-slot, solid, half-slot back to back, & solid back to back options
- Pre-galvanized, 304 Stainless, 316 Stainless, Yellow Zinc, Plain, Aluminum & Green Powder Coat options available



### PIPE SUPPORTS

#### FIGURE 7755B/7755G

#### BLACK (PLAIN)/ELECTRO GALVANIZED

- Made in the USA
- V-shaped saddle supports pipe sizes 2" – 6" & 8" – 12"
- Compatible with ductile iron pipe (DIP) & iron pipe (IPS)
- Threaded rod provides up to 6" of fine adjustment
- 6" x 6" base plate with 3/4" bolt holes for anchoring
- Static load rating: 1850 lbs per pipe stand (2" – 6")
- Static load rating: 5350 lbs per pipe stand (8" – 12")
- Designed for vertical installation to the floor only

## GAUGES, THERMOMETERS & ACCESSORIES



### PRESSURE GAUGES

#### FIGURE G/LFG

##### LIQUID FILLED & CONTRACTOR

- 2-1/2" liquid filled (glycerin)
- 4-1/2" contractor
- Dual scale (PSI & KPA)
- 304 SS case & bezel ring



### THERMOMETERS

#### FIGURE 9S/SDTH

##### ADJUSTABLE ANGLE

- Liquid filled (9S)
- Digital solar with digital display (SDTH)
- -50°F – 320°F range
- Dual scale °F & °C
- Adjustable over 180°
- 360° case rotation



### GAUGE ACCESSORIES

#### BRASS

- Needle Valves
- Pressure snubber/filters
- P/T test plugs
- Thermowells

## PIPING PRODUCTS



### NUT & BOLT SETS

#### FIGURE LBB/WBB/NBS

##### PRE-PACKAGED

- Lugged butterfly (LBB), wafer butterfly (WBB) & flange nut/bolt sets (NBS)
- Hardware for 1 valve or flange connection
- Material & classes vary per configuration
- Sizes vary per configuration



### FLANGES

#### FIGURE 72/73

##### IPS DUCTILE IRON

- Stub end (72)
- Angle face ring (73)
- 150# drilling
- IPS sizes
- Red primer or hot dipped galvanized
- Sizes 1" – 24"



### FLANGES

#### FIGURE 74N

##### FOR USE WITH NUPI NIRON PP-RCT FLANGE ADAPTORS ONLY

- 150# flange drilling
- Cast ductile iron
- IPS sizes 2" – 24"
- Finish: Black epoxy coating



### BOLT INSULATORS

- Reinforced nylon 66 resin
- White
- Sold individually
- Sizes 1/2", 5/8" & 3/4"

## PIPING PRODUCTS



**FLEXIBLE CONNECTORS**  
**FIGURE 30F/30T/35S/40A**

- Complies with Federal Lead Free Law (30F)
- Metal braided annular
  - Stainless inner hose (30F, 30T)
  - Bronze inner hose (35S)
  - Sizes 2" – 12"
- Single sphere
  - 150# carbon steel flanges
  - Wire & fabric reinforced
  - Sizes 2-1/2" – 10"



**GASKETS**  
**FIGURE NA/R/NE**

- Non-asbestos (NA), red rubber (R) & neoprene (NE)
- 150# & 300#
- Ring & full face (NE FF only)
- 1/16" & 1/8" thick (NE 1/8" only)
- Sizes 1/2" – 24"



**GASKETS**  
**FIGURE SWG**

- SPIRAL WOUND**
- Stainless steel windings
  - Flexible graphite filler - Graflex
  - Spiral wound
  - Sizes 1/2" – 24"



**NUT/BOLT/GASKET KITS**  
**FIGURE NBG**

- Non-asbestos, red rubber & neoprene kits
- Ring & full face
- Carbon & stainless steel nut & bolt materials
- Sizes vary per configuration

## SANITARY PRODUCTS



**3-A FITTINGS**  
**304 & 316**  
**SANITARY STAINLESS**

- For dairy, beverage, meat processing & other sanitary processes
- Clamps
- Elbows
- Tees
- Ferrules
- Gaskets
- Hangers



**SS BALL VALVE**  
**FIGURE 330A**

- 3 PC FULL PORT 400 CWP**
- Clamp ends
  - 150 PSI WSP
  - Cavity filled seats
  - ISO 5211 mounting pad
  - SS locking handle
  - TFM seats
  - Sizes 1/2" – 4"
  - 3-A 68-01 Compliant



**BRASS BALL VALVE**  
**FIGURE 410A**

- 2 PC FULL PORT 600 WOG**
- NPT
  - Rated 150 WSP
  - FM, UL, CSA rated (410A only)
  - Optional locking device, t-handle, stem extension & more
  - Sizes 1/4" – 4"



**BRASS BALL VALVE**  
**FIGURE 415LL**

- 2 PC FULL PORT 600 WOG**
- NPT
  - Rated 150 WSP
  - FM, UL, CSA rated
  - Optional locking device, t-handle, stem extension & more
  - Sizes 1/2" – 2"
  - With locking lever

## VALVES



### BRASS BALL VALVE

#### FIGURE 420

- 2 PC FULL PORT 600 WOG
- NPT
- Rated 150 WSP
- FIG 420 – FM optional SS trim
- Optional locking device, t-handle, stem extension & more
- Sizes 1/4" – 4" NPT



### BRASS BALL VALVE

#### FIGURE 426A/427A/428A

- 2 PC FULL PORT 600 WOG
- 3/4" HOSE CONNECTION
- 3/4" hose connection
- Full port with FNPT end (426A), Sweat end (427A), MNPT (428A)
- Includes cap, cap gasket & chain
- Forged brass body & end cap
- Sizes 1/2" & 3/4"



### BRASS BALL VALVE

#### FIGURE 430

- 200 PSI PRESS CONNECTION FOR WATER SERVICE
- Full port design
- FM & UL rated
- Forged body & end cap
- Blowout-proof stem
- Adjustable packing
- Sizes 1/2" – 4", 2-1/2" – 4" XLC ends



### BRASS BALL VALVE

#### FIGURE 455/465

- 3-WAY 400 WOG ISO MOUNT
- T-port (455) & L-port (465)
- ISO 5211 mounting pad (with handle)
- Rated 100 WSP
- O-ring backed seats
- Double o-ring Viton® packing
- For direct mount actuation
- Sizes 1/4" – 2"



### BRASS BALL VALVE

#### FIGURE 470/475

- 2 PC FULL PORT 400 WOG PUMP ISOLATION
- Integral pump flange connection
- Full port design
- FNPT end (470), Sweat end (475)
- Includes t-handle, gasket & bolts
- Eases pump install & removal
- Sizes 3/4" – 1-1/2"



### BRASS BALL VALVE

#### FIGURE 490/495

- 2 PC FULL PORT 600 WOG PUMP ISOLATION W/ ROTATING FLANGE
- Integral rotating pump flange connection
- FNPT end (490), Sweat end (495)
- Includes t-handle (except 1-1/2"), gasket & bolts
- Sizes 3/4" – 1-1/2"



### BRASS BALL VALVE

#### FIGURE 490D/495D

- 2 PC FULL PORT 600 WOG PUMP ISOLATION W/ ROTATING FLANGE & DRAIN
- Integral rotating pump flange connection & on/off drain
- FNPT end (490D), Sweat end (495D)
- Includes t-handle, gasket & bolts
- Sizes 3/4" – 1-1/4"



### CS BALL VALVE

#### FIGURE 221A/221AC

- 2 PC FULL PORT 2000 CWP
- 150 WSP (221A)/250 WSP (221AC)
- Blow-out proof stem
- Adjustable packing
- Investment cast body & end cap
- Threaded NPT ends
- Locking device

## VALVES



### CS BALL VALVE

#### FIGURE 311A

- 3 PC FULL PORT 1000 CWP
- 150 WSP
  - Blow-out proof stem
  - Adjustable packing
  - Investment cast body & end cap
  - Threaded NPT ends
  - Optional socket weld ends



### CS BALL VALVE

#### FIGURE 321A/321AC

- 3 PC FULL PORT 2000 CWP
- 150 WSP (321A)/250 WSP (321AC)
  - TFM (super TFE) seats
  - Blow-out proof stem
  - Adjustable packing
  - Investment cast body & end cap
  - Threaded NPT ends



### CS BALL VALVE

#### FIGURE 501B/501C

- 1 PC STANDARD PORT 150# FLANGED
- TFM seats
  - Blow-out proof stem
  - Anti-static design
  - Adjustable packing
  - Fire safe (501C)



### CS BALL VALVE

#### FIGURE 601B/601C

- 2 PC FULL PORT 150# FLANGED
- TFM seats
  - SS trim standard
  - Blow-out proof stem
  - Anti-static design
  - Adjustable packing
  - Fire safe (601C)



### SS BALL VALVE

#### FIGURE 100A

- 1 PC STANDARD PORT 1000 CWP
- Investment cast body
  - 150 PSI WSP
  - SS locking handle
  - RTFE seats
  - Blow-out proof stem
  - Sizes 1/4" – 2"



### SS BALL VALVE

#### FIGURE 200A

- 2 PC FULL PORT 1000 CWP
- Investment cast body & end cap
  - 150 PSI WSP
  - Stainless steel locking handle
  - RTFE seats
  - Blow-out proof stem
  - Sizes 1/4" – 2"



### SS BALL VALVE

#### FIGURE 220A/220AC – SSXSS

- 2 PC FULL PORT 2000 CWP
- Investment cast body & end cap
  - 150 PSI WSP (220A/221A)
  - 250 PSI WSP (220AC/221AC)
  - Stainless steel locking handle
  - TFM seats
  - Sizes 1/4" – 3"



### SS BALL VALVE

#### FIGURE 220AM

- 2 PC FULL PORT 2000 CWP ISO MOUNT
- ISO 5211 mounting pad
  - 150 PSI WSP
  - Live loaded packing
  - Investment cast body & end cap
  - TFM seats
  - For direct mount actuation
  - Sizes 1/4" – 3"

## VALVES



### SS BALL VALVE

#### FIGURE 233A

3-WAY DIVERTER 1000 CWP

- Standard port
- 150 PSI WSP
- RTFE seats
- Stainless steel locking handle
- Blow-out proof stem
- ISO 5211 mounting pad
- Sizes 1/2" – 2"



### SS BALL VALVE

#### FIGURE 260A

2 PC FULL PORT

- 1000 WOG
- 150 PSI WSP
- Working temp: -4°F – 392°F
- Investment cast body
- Blow-out proof stem
- Stainless handle
- Locking lever
- Sizes 1/4" – 2"



### SS BALL VALVE

#### FIGURE 310A – SSXSS

3 PC FULL PORT 1000 CWP

- Investment cast body & end caps
- 150 PSI WSP
- NPT ends (optional socket weld)
- Stainless steel locking handle
- RTFE seats
- Sizes 1/4" – 3"



### SS BALL VALVE

#### FIGURE 310AM – SSXSS

3 PC FULL PORT 1000 CWP ISO MOUNT

- ISO 5211 mounting pad
- 150 PSI WSP
- Live loaded packing
- Investment cast body & end caps
- NPT ends (optional socket weld)
- Sizes 1/4" – 4"  
(4" includes handle)



### SS BALL VALVE

#### FIGURE 320A/320AC – SSXSS

3 PC FULL PORT 2000 CWP

- 150 PSI WSP (320A/321A)
- 250 PSI WSP (320AC/321AC)
- NPT end (optional socket weld)
- Stainless steel locking handle
- TFM seats
- Sizes 1/4" – 2"



### SS BALL VALVE

#### FIGURE 360A

3 PC FULL PORT

- 1000 WOG
- 150 PSI WSP
- Working temp: -4°F – 392°F
- Investment cast body
- Blow-out proof stem
- ISO 5211 mounting pad
- Stainless steel handle
- Locking lever
- Sizes 1/4" – 3"



### SS BALL VALVE

#### FIGURE 500B – SSXSS

1 PC STANDARD PORT 150# FLANGED

- Investment cast body
- Anti-static design
- TFM seats
- ISO 5211 mounting pad
- Sizes 2" – 6"
- Fire safe (500C)



### SS BALL VALVE

#### FIGURE 600B – SSXSS

2 PC FULL PORT 150# FLANGED

- Investment cast body
- Anti-static design
- TFM seats
- ISO 5211 mounting pad
- Sizes 1/2" – 8"
- Fire safe (600C)

## VALVES



**SS BALL VALVE**  
**FIGURE 633/634**

- 3-WAY 150# FLANGED**
- L-port (633) & T-port (634)
  - Full port split body
  - RTFE seats
  - Top entry, trunnion mounted
  - ISO 5211 mounting pad
  - Sizes 2" – 8"



**BUTTERFLY VALVE**  
**FIGURE 812**

- RESILIENT SEATED**
- Dead end service rated
  - Lugged
  - Rated to 200 PSI (14" & up – 150 PSI)
  - Aluminum bronze disc
  - 316 SS stem
  - ISO 5211 mounting pad
  - 2-piece pinless stem
  - Vulcanized seat
  - Sizes 2" – 24"



**BUTTERFLY VALVE**  
**FIGURE 832**

- RESILIENT SEATED**
- Dead end service rated
  - Lugged
  - Rated to 255 PSI (14" & up – 188 PSI)
  - 316 SS disc & stem standard
  - ISO 5211 mounting pad
  - 2-piece pinless stem
  - Vulcanized seat
  - Sizes 2" – 24"



**BUTTERFLY VALVE**  
**FIGURE 752**

- LARGE DIAMETER U-BODY RESILIENT SEATED**
- Rated to 150 PSI
  - Cartridge seat design
  - Ductile iron or stainless steel disc
  - EPDM or NBR (BUNA) seat
  - Sizes 28" – 48"



**BUTTERFLY VALVE**  
**FIGURE HPA**

- HIGH PERFORMANCE RESILIENT SEATED**
- Hyper (R) seats
  - Double offset design
  - Wafer or lugged connections
  - SS or CS body
  - ISO 5211 mounting pad
  - Gear standard (8" – 36")
  - Locking lever or gear
  - Sizes 2" – 36"



**BRONZE GATE VALVE**  
**FIGURE 1211/1212**

- NRS 125#**
- 200 CWP
  - 125 PSI steam rated (1211 only)
  - Solid wedge disc
  - FNPT (1211) & Sweat (1212) ends
  - Back seat design
  - Conforms to MSS SP-80
  - Sizes 1/4" – 3" (1211)
  - Sizes 1/2" – 3" (1212)



**BRONZE GATE VALVE**  
**FIGURE 1221/1222**

- RS 125#**
- 200 CWP
  - 125 PSI steam rated (1221 only)
  - Solid wedge disc
  - FNPT (1221) & Sweat (1222) ends
  - Back seat design
  - Conforms to MSS SP-80
  - Sizes 1/2" – 3"



**BRONZE GLOBE VALVE**  
**FIGURE 1231/1232**

- 125#**
- 200 WOG
  - 125 PSI steam rated (1231 only)
  - Resilient seat disc
  - FNPT (1231) & Sweat (1232) ends
  - Conforms to MSS SP-80
  - Sizes 1/4" – 3" (1231)
  - Sizes 1/2" – 2" (1232)

## VALVES



### BRONZE SWING CHECK VALVE

#### FIGURE 1241/1242

##### 150# Y-PATTERN

- 300 WOG
- 150 PSI saturated steam rated
- Resilient seat disc
- FNPT (1241) & Sweat (1242) ends
- Conforms to MSS SP-80
- Sizes 1/2" – 3"



### CS GATE VALVE

#### FIGURE 5515/5530

##### CARBON STEEL OS&Y GATE VALVE

- Flanged design
- 150# (5515), 300# (5530)
- Tested in accordance with API 598
- API 600 design
- API 622/624 packing and emissions



### CS GLOBE VALVE

#### FIGURE 5615/5630

##### CARBON STEEL GLOBE VALVE

- Flanged design
- 150# (5615), 300# (5630)
- Tested in accordance with API 598
- API 623 design
- API 622/624 packing and emissions
- API 600 wall thickness



### CS CHECK VALVE

#### FIGURE 5715/5730

##### CARBON STEEL SWING CHECK VALVE

- Flanged design
- 150# (5715), 300# (5730)
- Tested in accordance with API 598
- API 594 design
- API 600 wall thickness



### CI GATE VALVE

#### FIGURE 651B

##### 125# FLANGED 200 WOG IBBM

- Flat faced flanges
- Rising stem OS&Y
- Tapered solid wedge
- Body guide ribs
- Back seat stop



### CI GLOBE VALVE

#### FIGURE 661B

##### 125# FLANGED 200 WOG IBBM

- Bolted bonnet
- Flat faced flanges
- Rising stem OS&Y
- Back seat stop



### CI CHECK VALVE

#### FIGURE 671B

##### 125# FLANGED 200 WOG IBBM

- Bolted bonnet
- Flat faced flanges
- Horizontal swing
- Horizontal or vertical installation with upward flow



### CI CHECK VALVE

#### FIGURE 681

##### 200 PSI CAST IRON WAFER SILENT

- 200 PSI non-shock
- Resilient seat
- Non-slam stainless steel
- Spring actuated
- Aluminum-bronze disc
- Sizes 2" – 10"

## VALVES



### CI CHECK VALVE

#### FIGURE 682

#### 200 PSI CAST IRON WAFER DOUBLE DOOR

- 200 PSI non-shock
- Resilient seat
- Non-slam stainless steel
- Spring actuated
- Stainless steel discs
- Sizes 2" – 10"



### DI GATE VALVE

#### FIGURE 751

#### 150# UL FM GATE VALVE

- 300 PSI non-shock cold working pressure
- 32° – 175°F temp range
- Ductile iron body & bonnet
- 304 stainless steel stem
- UL listed/FM approved
- Pre-tapped & plugged for bypass



### SS GATE VALVE

#### FIGURE 15B-200

#### THREADED SS 200 WOG NON-RISING STEM

- Stainless steel trim
- Adjustable packing
- Sizes 1/2" – 2"



### SS GATE VALVE

#### FIGURE 4515/4530

#### FLANGED OS&Y WEDGE

- 150# (4515), 300# (4530)
- API 603 design
- Investment cast to 8"
- Flex wedge design for positive shutoff
- Graphite packing & body gasket



### SS GLOBE VALVE

#### FIGURE 17B-200

#### THREADED 200 WOG

- Stainless steel trim
- Adjustable packing
- Sizes 1/2" – 2"



### SS GLOBE VALVE

#### FIGURE 4615/4630

#### STAINLESS STEEL GLOBE VALVE

- Flanged design
- 150# (4615), 300# (4630)
- CF8M seat integral to body
- Investment cast body up to 8"
- Graphite packing & body gasket
- API 603 wall thickness



### SS SWING CHECK VALVE

#### FIGURE 16B-200

#### THREADED 200 WOG

- Stainless steel trim
- PTFE seals
- Sizes 1/4" – 2"



### SS SWING CHECK VALVE

#### FIGURE 4715/4730

#### FLANGED

- 150# (4715), 300# (4730)
- API 603 wall thickness
- Machined disc & seat for tight shutoff
- Graphite body gasket

## VALVES



### KNIFE GATE VALVE

#### FIGURE 61B

#### METAL SEATED

- Cast ductile iron body/ stainless steel lined
- Metal seat
- Stainless steel wetted parts
- Uni-directional shutoff
- Economy valve for many applications
- Sizes 3" – 24"



### KNIFE GATE VALVE

#### FIGURE 62B

#### RESILIENT SEATED

- Cast ductile iron body/ stainless steel lined
- Positive shutoff resilient seat
- Stainless steel wetted parts
- Uni-directional shutoff
- Economy valve for many applications
- Sizes 3" – 24"



### KNIFE GATE VALVE

#### FIGURE 2020TIVT

#### TRANSMITTER ISOLATION

- Cast stainless steel body/ yoke/follower
- Flex teflon resilient seats
- High performance
- Bi-directional shutoff
- Ratchet operator
- Tank side flange access
- Size 3"



### SEGMENTED BALL VALVE

#### FIGURE 920/940

#### 150# & 300#

#### FLANGED DESIGN

- Wide control range
- Hard chrome plated segment
- Splined stem connection
- Live loaded packing
- ISO 5211 mounting pad (1" – 8")



### THERMOPLASTIC BALL VALVE

#### FIGURE 340NA/340NAF/350NA

#### FULL PORT TRUE UNION

- PVC (340NA, 340NAF) & CPVC (350NA)
- Both NPT & SW ends (up to 2")
- Above 2" in SW (NPT on request)
- NSF 61/372 certified (UL)
- Bi-directional flow
- PTFE seats, EPDM or Viton® seals
- Sizes 1/2" – 4"



### THERMOPLASTIC BUTTERFLY VALVE

#### FIGURE 721A

- 150 PSI to 10", 100 PSI to 12"
- Compact design
- Bubble-tight shutoff
- EPDM or Viton® seat/seals
- Can be modified for actuation
- Sizes 2" – 12"



### THERMOPLASTIC CHECK VALVE

#### FIGURE 345A – PVC FIGURE 355A – CPVC

#### DOUBLE UNION BALL CHECK

- Both NPT & SW ends
- 150 PSI max working pressure
- 5 PSI minimum shutoff
- Vertical & horizontal installation
- Easy maintenance
- Sizes 1/2" – 2"

## Y-STRAINERS



### Y-STRAINER

#### FIGURE 509A/510A

#### BRONZE

- 250 WOG, 150 PSI steam (509)
- 400 WOG, 250 PSI steam (510)
- 510 IS 400 WOG, 250 PSI steam
- Cast bronze body
- 20 mesh stainless steel screen
- Blow-off plug included
- Sizes 3/8" – 2" (509)
- Sizes 1/2" – 2" (510)



### Y-STRAINER

#### FIGURE 558B/559B

#### CAST IRON

- 125# flanged ends (558A) & FNPT ends (559)
- 200 WOG, 125 PSI steam (558A)
- 400 WOG, 250 PSI steam (559)
- Stainless steel screen
- Sizes 2" – 12" (558A); Sizes 1/2" – 2"
- 1/2" (559) (2-1/2" is bolted end bonnet)

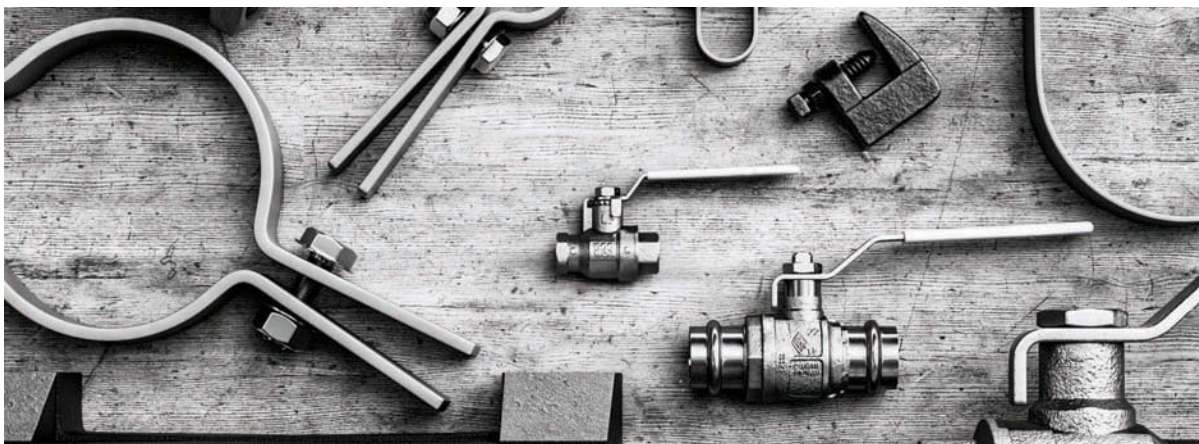


### Y-STRAINER

#### FIGURE YSS

#### STAINLESS STEEL

- Threaded 800 PSI CWP
- 20 mesh stainless steel screen
- Viton® o-ring seal
- Sizes 1/2" – 2"



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