



PRESS **CONNECT**

PRODUCT CATALOG





Press Forward.



310R Series Premium Press Ball Valve



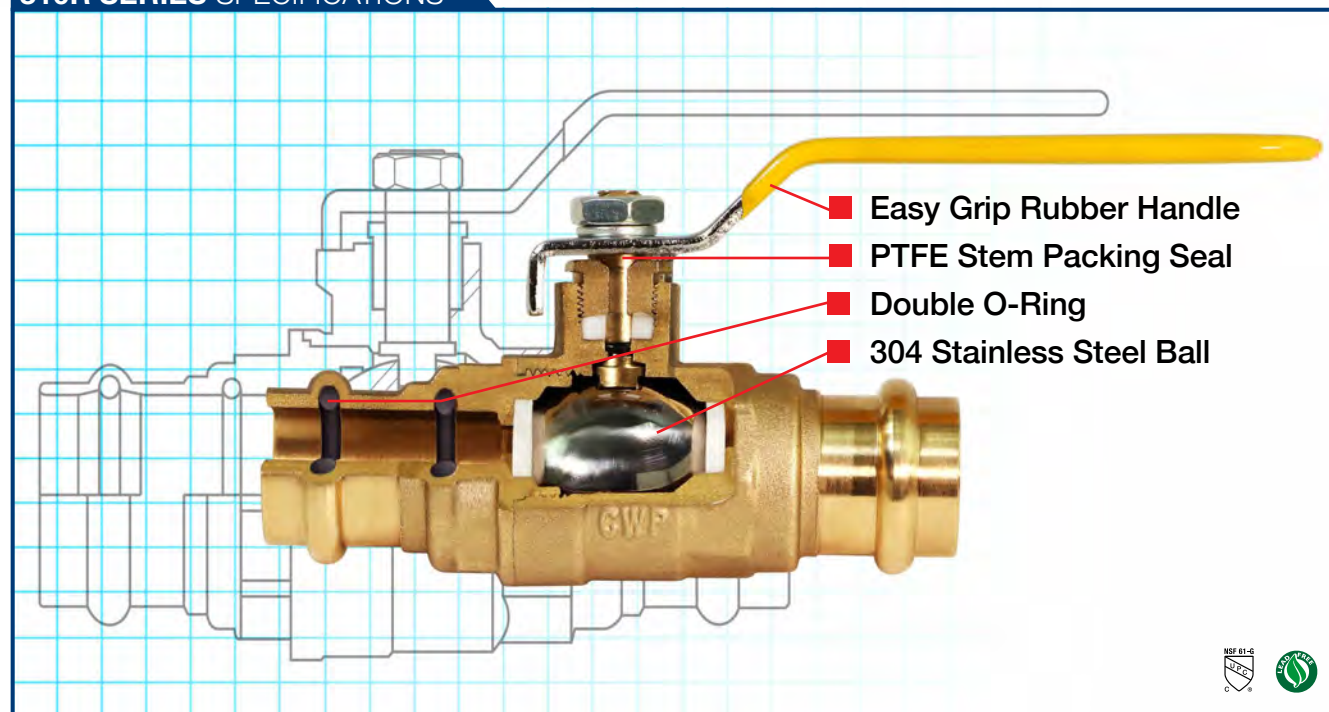
Double-O-Ring • Press Ends • Lead Free • 600 WOG

The 310 Series Premium Press Ball Valve is designed to use in press-fit piping systems, eliminating labor and potential fire hazard associated with solder connections. It features Double O-Ring press connections for added leak protection and safety. DZR brass body provides increased durability. Stainless steel ball and PTFE seats creates a positive seal reducing friction and minimizing wear.



- Available 1/2" to 4"
- Pressure Rating: 250 CWP / 150 WSP
- Max Temp: 300°F
- DZR Brass Body
- 304 Stainless Steel Ball
- Lead Free Compliant
- Conforms to NSF/ANSI 61, 372

310R SERIES SPECIFICATIONS



PRESS BALL VALVES



310R Series Premium Press Ball Valve

Double-O-Ring • Press Connections • Lead Free • Full Port • 600 WOG



310R034-NL

- Dezincification Resistant (DZR) Lead Free Brass Material
- Double O-Ring for Added Leak Protection
- Forged Brass Body
- Stainless Steel Ball
- Blow Out Proof Brass Stem
- Vinyl Grip Lever Handle
- Triple Sealing Stem with 2 O-Rings and PTFE Seal
- Max Pressure Rating: 600 psi WOG / 150 psi WSP
- Temperature Range: -20°F to 300°F
- UPC Compliant
- AB1953, NSF61-9, NSF-372, ISO-9002



PART #	SIZE	DESCRIPTION	INNER	MASTER
310R012-NL	1/2"	Full Port Press Ball Valve	5	50
310R034-NL	3/4"	Full Port Press Ball Valve	5	40
310R001-NL	1"	Full Port Press Ball Valve	4	20
310R114-NL	1-1/4"	Full Port Press Ball Valve	5	20
310R112-NL	1-1/2"	Full Port Press Ball Valve	4	16
310R002-NL	2"	Full Port Press Ball Valve	2	8
310R212-NL	2-1/2"	Full Port Press Ball Valve	1	6
310R003-NL	3"	Full Port Press Ball Valve	1	4
310R004-NL	4"	Full Port Press Ball Valve	1	2

810R Series Press Ball Valve



Press Connections • Lead Free • Full Port • 600 WOG



810R003-NL

- Dezincification Resistant (DZR) Lead Free Brass Material
- Forged Brass Body
- Stainless Steel Ball
- Blow Out Proof Brass Stem
- Vinyl Grip Lever Handle
- Triple Sealing Stem with 2 O-Rings and PTFE Seal
- Max Pressure Rating: 600 psi WOG / 150 psi WSP
- Temperature Range: -20°F to 300°F
- UPC Compliant
- AB195, NSF61-9, NSF-372, ISO-9002



PART #	SIZE	DESCRIPTION	INNER	MASTER
810R012-NL	1/2"	Full Port Press Ball Valve	5	50
810R034-NL	3/4"	Full Port Press Ball Valve	5	40
810R001-NL	1"	Full Port Press Ball Valve	4	20
810R114-NL	1-1/4"	Full Port Press Ball Valve	5	20
810R112-NL	1-1/2"	Full Port Press Ball Valve	4	16
810R002-NL	2"	Full Port Press Ball Valve	2	8
810R003-NL	3"	Full Port Press Ball Valve	1	4
810R004-NL	4"	Full Port Press Ball Valve	1	2

PRESS BALL VALVES

310D Series Press Ball Valve with Drain

RAVEN
SPECIALTY PRODUCTS

Press Connections • Lead Free • Full Port with Drain • 250 CWP

PRESS
CONNECT


- Dezincification Resistant (DZR) Lead Free Brass Material
- Blow Out Proof Brass Stem
- Packing Nut, O-ring & Packing on the Stem Seal
- Max Pressure Rating: 250 CWP / 150 WSP
- Temperature Range: -20°F to 300°F
- IAPMO: NSF/ANSI-61, NSF/ANSI-372, IGC-157
- Press Ends Conform to ANSI Z1157



PART #	SIZE	DESCRIPTION	INNER	MASTER
310D012-NL	1/2"	Press Ball Valve with Waste	5	50
310D034-NL	3/4"	Press Ball Valve with Waste	5	40
310D001-NL	1"	Press Ball Valve with Waste	4	20

320 Series Press Adapter Ball Valve

RAVEN
SPECIALTY PRODUCTS

Press x MIP & Press x FIP • Lead Free • Full Port • Forged Brass Body • 250 CWP

PRESS
CONNECT


- Dezincification Resistant (DZR) Lead Free Brass Material
- Blow Out Proof Brass Stem
- Packing Nut, O-Ring & Packing on the Stem Seal
- Max Pressure Rating: 250 CWP / 150 WSP
- Temperature Range: -20°F to 300°F
- Certified to: NSF/ANSI 61, NSF/ANSI 372, IGC157
- Press Ends Conform to ANSI Z1157



320M Series Press x MIP Ball Valve

PART #	SIZE	DESCRIPTION	INNER	MASTER
320M012-NL	1/2"	Press x MIP Ball Valve	5	50
320M034-NL	3/4"	Press x MIP Ball Valve	5	40
320M001-NL	1"	Press x MIP Ball Valve	4	20
320M114-NL	1-1/4"	Press x MIP Ball Valve	5	20
320M112-NL	1-1/2"	Press x MIP Ball Valve	4	16
320M002-NL	2"	Press x MIP Ball Valve	2	8

PRESS
CONNECT


320T Series Press x FIP Ball Valve

PART #	SIZE	DESCRIPTION	INNER	MASTER
320T112-NL	1/2"	Press x FIP Ball Valve	5	50
320T034-NL	3/4"	Press x FIP Ball Valve	5	40
320T001-NL	1"	Press x FIP Ball Valve	4	20
320T114-NL	1-1/4"	Press x FIP Ball Valve	5	20
320T112-NL	1-1/2"	Press x FIP Ball Valve	4	16
320T002-NL	2"	Press x FIP Ball Valve	2	8



Please see the entire line of Press Copper Fittings and Adapters in this catalog on **PAGES 15-20**



PRESS BALL VALVES

315R Series Premium Press T-Handle Ball Valve

Double-O-Ring • Press Connections • Lead Free • Full Port • 600 WOG



- Dezincification Resistant (DZR) Lead Free Brass Material
- Double O-Ring for Added Leak Protection
- Blow Out Proof Brass Stem
- Triple Sealing Stem with 2 O-Rings and PTFE Seal
- Max Pressure Rating: 600 psi WOG / 150 psi WSP
- Temperature Range: -20°F to 300°F
- UPC Compliant
- AB1953, NSF61-9, NSF-372, ISO-9002



PART #	SIZE	DESCRIPTION	INNER	MASTER
315R012-NL	1/2"	T-Handle Full Port Press Ball Valve	5	50
315R034-NL	3/4"	T-Handle Full Port Press Ball Valve	5	40
315R001-NL	1"	T-Handle Full Port Press Ball Valve	4	20

PRBL Series F1807 Pex X Press Ball Valve



F1807 Pex X Press Connections • Lead Free



- Dezincification Resistant (DZR) Lead Free Brass Material
- Blow Out Proof Brass Stem
- Packing Nut, O-ring & Packing on the Stem Seal
- Max Pressure Rating: 250 CWP / 150 WSP
- Temperature Range: -20°F to 300°F
- IAPMO: NSF/ANSI-61, NSF/ANSI-372, IGC-157
- Press Ends Conform to ANSI Z1157
- Pex Ends Conform to ASTM F1807



PART #	SIZE	DESCRIPTION	INNER	MASTER
PRBL-012-NL	1/2"	F1807 PEX x Press Ball Valve	5	50
PRBL-034-NL	3/4"	F1807 PEX x Press Ball Valve	5	40
PRBL-001-NL	1"	F1807 PEX x Press Ball Valve	4	20

FRBL Series F1960 Pex X Press Ball Valve



F1960 Pex X Press Connections • Lead Free



- Dezincification Resistant (DZR) Lead Free Brass Material
- Blow Out Proof Brass Stem
- Packing Nut, O-ring & Packing on the Stem Seal
- Max Pressure Rating: 250 CWP / 150 WSP
- Temperature Range: -20°F to 300°F
- IAPMO: NSF/ANSI-61, NSF/ANSI-372, IGC-157
- Press Ends Conform to ANSI Z1157



PART #	SIZE	DESCRIPTION	INNER	MASTER
FRBL-012-NL	1/2"	F1960 PEX x Press Ball Valve	5	50
FRBL-034-NL	3/4"	F1960 PEX x Press Ball Valve	5	40
FRBL-001-NL	1"	F1960 PEX x Press Ball Valve	4	20

PRESS BALL VALVES

520R Series Press Flange Ball Valve with Purge



Rotating Flange • Press Connection • With Purge Drain • Full Port • Two Valve Set



- Rotating Outer Flange allows 360 degree motion for easier installation
- Includes Gaskets and Nuts
- Vinyl Grip Lever Handle with Optinal T-Handle Included
- Heavy Duty Rust Resistant Brass Body
- Blow Out Proof Stem Design
- PTFE Seats and Seals
- Ends Comply With ANSI.B.20.1, ANSI.B.16.18

PART #	SIZE	DESCRIPTION	INNER	MASTER
520R034	3/4"	Press Rotating Flange Ball Valve With Purge	1 set	12
520R001	1"	Press Rotating Flange Ball Valve With Purge	1 set	12
520R114	1-1/4"	Press Rotating Flange Ball Valve With Purge	1 set	8
520R112	1-1/2"	Press Rotating Flange Ball Valve With Purge	1 set	8
520R002	2"	Press Rotating Flange Ball Valve With Purge	1 set	4

515R Series Flange Press Ball Valve



Rotating Flange • Press Connection • Full Port • Two Valve Set



- Includes Gaskets and Nuts
- Vinyl Grip Lever Handle with Optinal T-Handle Included
- Heavy Duty Rust Resistant Brass Body
- Blow Out Proof Stem Design
- PTFE Seats and Seals
- Ends Comply With ANSI.B.20.1, ANSI.B.16.18
- 600 psi WOG 150 psi WSP Service

PART #	SIZE	DESCRIPTION	INNER	MASTER
515R034	3/4"	Press Rotating Flange Ball Valve	1 set	12
515R001	1"	Press Rotating Flange Ball Valve	1 set	12
515R114	1-1/4"	Press Rotating Flange Ball Valve	1 set	8
515R112	1-1/2"	Press Rotating Flange Ball Valve	1 set	8
515R002	2"	Press Rotating Flange Ball Valve	1 set	4

53 Series Press Long Bonnet Ball Valve



Lead Free • Standard Port • Forged Brass Body • T-Handle With Vinyl Grip



- Long Bonnet T-Handle allows easy shutoff access
- Forged Brass Body
- Chrome Plated Ball
- 175 psi Steam 600 psi WOG
- Temperature Range is -20°C to 120°C
- CSA Certified



PART #	SIZE	DESCRIPTION	INNER	MASTER
530R012-NL	1/2"	Press Long Bonnet Ball Valve	10	100
530R034-NL	3/4"	Press Long Bonnet Ball Valve	10	100

PRESS BALL VALVES

Tankless Water Heater Valves

FLEXTRON®
NSF Compliant • Lead Free • Full Port Main Flow Channel

- Set of 2 Heavy Duty Forged Brass Ball Valves
- Full Port Main Flow Channel
- Large Drain Port Outlets
- Easy Identification of Hot & Cold Valves
- Lead Free Compliant



Tankless Water Heater Isolation Valve Kit

Hot/Cold Tankless Isolation Valves & Pressure Relief Valve

PART #	SIZE	CONNECTION	DESCRIPTION	QTY
FTGV-ISO34-R-KIT-LF	3/4"	Press	1 Set H/C Iso. Valves + 3/4" Relief Valve	1 Set
FTGV-ISO1-R-KIT-LF	1"	Press	1 Set H/C Iso. Valves + 3/4" Relief Valve	1 Set



Tankless Water Heater Isolation Valve

Set of Hot/Cold Tankless Isolation Valves

PART #	SIZE	CONNECTION	DESCRIPTION	QTY
FTGV-ISO34-R-LF	3/4"	Press	1 Set H/C Iso. Valves	1 Set
FTGV-ISO1-R-LF	1"	Press	1 Set H/C Iso. Valves	1 Set



Pressure Relief Valve

- Fully automatic valve reseats itself after relieving pressure
- Suitable for tankless or closed-loop hot water systems



PART #	SIZE	CONNECTION	DESCRIPTION	QTY
FTGV-PRV034	3/4"	Threaded	1 Pressure Relief Valve	1



Boiler Drains

Press T-Handle Boiler Drain

- Low Operating Torque
- Lead Free Meets NSF-61 Standard
- Leaded Meets ANSI/NSF 14 Standard
- Extended Threads on Bib Spout for Secure Connection



PART #	SIZE	INNER	MASTER
12BDBTR-NL	1/2"	10	100
34BDBTR-NL	3/4"	10	100

Extended Street End Boiler Drain

- For Press connections
- New Design with Dimensions of Our Acclaimed 1/4 Turn Boiler Drain
- Street Ends Enable Sweating Valve Directly into Wrot Fitting
- Offers a Nice Clean Look When Installed



PART #	SIZE	INNER	MASTER
12BDSX-NL	1/2" Male Swt	10	100
34BDSX-NL	3/4" Male Swt	5	50

PRESS BALL VALVES

706 Series High Flow Drain Ball Valve

RAVEN
SPECIALTY PRODUCTS

Full Port • Reversible Handle • 3 Way Adjustable • Hose Drain

PRESS
CONNECT


3 WAY FLOW
ADJUSTABLE



The 706 Series Ball Drain Valve enables quick isolation & drainage of any portion of a piped system. Ideal to install directly after a water meter to winterize a home and purge entire system with a simple quarter turn action. Reversible Handle allows for draining from either side of ball. Eliminates many leak paths and saves significant labor.

- Dezincification Resistant (DZR) Lead Free Brass Material
- Available in Sweat and Press Ends
- Heavy Duty Forged Brass Construction
- High Flow Hose Drain
- Reversible Handle
- Blow-out Proof Stem
- Individually controlled drain outlets
- Adjustable Packing Gland



PART #	SIZE	DESCRIPTION	INNER	MASTER
706R012-NL	1/2"	Press Ball Valve	6	36
706R034-NL	3/4"	Press Ball Valve	6	36
706R001-NL	1"	Press Ball Valve	5	30
706R114-NL	1-1/4"	Press Ball Valve	5	20
706R112-NL	1-1/2"	Press Ball Valve	5	20
706R002-NL	2"	Press Ball Valve	2	12

Hose Ball Valve with Cap

RAVEN
SPECIALTY PRODUCTS

Lead Free • Hose Connection • Includes Cap & Chain • Full Port • 600 WOG

PRESS
CONNECT


- Dezincification Resistant (DZR) Lead Free Brass Material
- Cap and Seal for Easy Drain and Hose Connection
- Brass Body
- Blow Out Proof Stem Design
- Packing Nut, O-Ring & PTFE Seal on the Seal
- Stainless Steel Ball
- Vinyl Grip Lever Handle
- Ends Certified to ANSI B1.20.1 / ASME B16.22
- Press Ends conform to ANSI Z1157
- CSA Certified to NSF/ANSI-61, NSF/ANSI-372, IGC-157
- Pressure Rating: 600 psi WOG 150 psi WSP
- Temperature Range -20°F to 300°F
- ISO:9001 Approved Manufacturer



PART #	SIZE	DESCRIPTION	INNER	MASTER
RHBV-012-NL	1/2"	Press Ball Valve	10	100
RHBV-034-NL	3/4"	Press Ball Valve	10	100

PRESS GATE VALVES & CHECK VALVES

205R Series Press Gate Valve

Press Connection • Brass Body & Disc • 200 WOG



- Brass Body and Disc
- Non Rising Stem
- Cast Iron Wheel Handle
- Press Ends conform to ANSI Z1157
- 200 WOG Non Shock
- Temperature Range : 180°F
- Conforms to NSF/ANSI-61/ 372 Standards



PART #	SIZE	DESCRIPTION	INNER	MASTER
205R012-NL	1/2"	Press Gate Valve	10	100
205R034-NL	3/4"	Press Gate Valve	10	80
205R001-NL	1"	Press Gate Valve	5	50
205R114-NL	1-1/4"	Press Gate Valve	5	40
205R112-NL	1-1/2"	Press Gate Valve	5	30
205R002-NL	2"	Press Gate Valve	2	20

105 Series Press Y-Strainer

Brass Body and Plug • Stainless Steel Mesh Screen



- Screwed Cap with Plug
- Stainless Steel Mesh Screen
- Temperature Rating 200°F
- Pressure rating 200 SWP
- Press Ends conform to ANSI Z1157
- Conforms to NSF/ANSI-61/372



PART #	SIZE	DESCRIPTION	INNER	MASTER
105R012-NL	1/2"	Press Y-Strainer	12	48
105R034-NL	3/4"	Press Y-Strainer	8	48
105R100-NL	1"	Press Y-Strainer	8	32
105R114-NL	1-1/4"	Press Y-Strainer	6	24
105R112-NL	1-1/2"	Press Y-Strainer	2	16
105R200-NL	2"	Press Y-Strainer	2	8

400 Series Press Swing Check Valve

Cast Brass Body & Disc • Prevent Backflow



- 200 PSI WOG 125 PSI SWP
- CSA Certified
- Conforms to NSF/ANSI-61/ 372
- Press Ends conform to ANSI Z1157



PART #	SIZE	DESCRIPTION	INNER	MASTER
400R012-NL	1/2"	Press Fit Swing Check Valve	10	160
400R034-NL	3/4"	Press Fit Swing Check Valve	10	120
400R001-NL	1"	Press Fit Swing Check Valve	5	60
400R114-NL	1-1/4"	Press Fit Swing Check Valve	5	40
400R112-NL	1-1/2"	Press Fit Swing Check Valve	5	30
400R002-NL	2"	Press Fit Swing Check Valve	2	24

Press Inline Spring Check Valve

Brass Body • Lead Free



- Can be Installed in a Horizontal or Vertical Position
- Temperature Rating 180°F
- Cold Working Pressure (CWP): 200 psi. Non Shock
- Press Ends conform to ANSI Z1157
- Conforms to NSF/ANSI-61/372



PART #	SIZE	DESCRIPTION	INNER	MASTER
150R012-NL	1/2"	Press Inline Check Valve	10	100
150R034-NL	3/4"	Press Inline Check Valve	10	80
150R100-NL	1"	Press Inline Check Valve	6	60
150R114-NL	1-1/4"	Press Inline Check Valve	4	40
150R112-NL	1-1/2"	Press Inline Check Valve	5	30
150R200-NL	2"	Press Inline Check Valve	5	20

WATER SUPPLY STOP VALVES

1/4 Turn Press Supply Stops



Double-O-Ring • Lead Free • 1/4 Turn Ball Valve Design • Chrome Plated Brass Body

- One-piece Chrome Plated Brass Body Provides Strength, Durability and Long-Lasting Performance
- Oval Chrome Plated Zinc Handle Provides a Secure Grip and Smooth On/Off Operation
- Easy-to-Remove Handle with Screw Attachment
- Self Lubricating PTFE Seats and Double O-Ring for Added Safety
- 100 psi, Normal Working Temperature 120°F
- Conforms to NSF/ANSI 61/372
- Individually Boxed and Barcoded



LEAD FREE



1/4 Turn Press Angle Stop



PART #	SIZE / DESCRIPTION	INNER	MASTER
P-81214PR-NL	1/2" PRESS X 1/4" OD	12	144
P-81212PR-NL	1/2" PRESS X 3/8" OD	12	144



1/4 Turn Press Straight Stop



PART #	SIZE / DESCRIPTION	INNER	MASTER
P-82214PR-NL	1/2" PRESS X 1/4" OD	12	144
P-82212PR-NL	1/2" PRESS X 3/8" OD	12	144



1/4 Turn Press Dual Angle Stop



PART #	SIZE / DESCRIPTION	INNER	MASTER
P-86312PR-NL	1/2" PRESS X 3/8" OD x 3/8" OD	12	144
P-86324PR-NL	1/2" PRESS X 1/4" OD x 3/8" OD	12	144



Press x Compression Adapter



Lead Free • Forged Brass Body

- Forged Brass Body
- Eliminates the need to Sweat
- Conforms to NSF/ANSI 61/372
- Individually Boxed and Barcoded



PART #	SIZE / DESCRIPTION	INNER	MASTER
P-73812-NL	1/2" PRESS X 1/4" OD x 3/8" OD Adapter	10	100



EVERFLOW™

Premier PVF & Specialty Products

EXCLUSIVE

PRESS
CONNECT

NOW AVAILABLE



Shown FlexBox Dual Drain
SB200-RH

Saves Time and Money

Press Connection significantly reduces labor time and costs. Connect valve in a fraction of the time that it takes to weld or solder. Plus, significantly less training required.

Secure and Durable

Press Connection is as strong as a welded and soldered connection.

Safer Installation

Eliminates potential fire and injuries associated with welding and soldering.

Available In A Full Variety of Washing Machine & Icemaker Boxes



CenterBOX
Washing Machine Outlet Box



FlexBOX™
Dual Drain Washing Machine Box



UniBox™
Universal Supply Box

SUPPLY OUTLET BOXES & VALVES

Washing Machine Valves

Press Connection • 1/2" Inlet • Fits All Standard Outlet Boxes



- Brass Body
- 1/4 Turn Handle
- Certified to NSF61 and ANSI A112.18.1



RED PART #	BLUE PART #	DESCRIPTION	INNER	MASTER
540R	541R	Washing Machine Valve Top Handle	10	100

Washing Machine Valves w/ Hammer Arrestor

Press Connection • 1/2" Inlet • Fits All Standard Outlet Boxes



- Brass Body
- 1/4 Turn Handle
- Certified to NSF61 and ANSI A112.18.1



RED PART #	BLUE PART #	DESCRIPTION	INNER	MASTER
540RH	541RH	Washing Machine Valve w/ Hammer	5	50

CenterBox Outlet Box

Press Connection • Durable ABS

- 4 integrated mounting tabs
- Top & bottom center knockouts
- Compatible with clip on dual drain funnel



PART #	DESCRIPTION	INNER	MASTER
SB300-R	Center Outlet Washing Machine Box	1	10
SB300-RH	Center Outlet Box w/ Hammer Arrestor	1	10

UniBox Outlet Box

Press Connection • Durable ABS

- 4 integrated mounting tabs
- Interlocking box clip
- Optional dual valve shut-off handle
- Compatible w/ clip on dual drain funnel



DOUBLE BOX PART #	SINGLE BOX PART #	DESCRIPTION	INNER	MASTER
SB120-R	SB110-R	UniBox Outlet Box	1	12
SB120-RH	B110-RH	UniBox w/ Hammer Arrestor	1	12

Ice Maker Valves

Press Connection • 1/2" Inlet • Fits All Standard Outlet Boxes



- Brass Body
- 1/4 Turn Handle
- Lead Free
- Certified to NSF61/372 and ANSI A112.18.1



PART #	DESCRIPTION	INNER	MASTER
545R	White 1/4 Turn Icemaker Valve	10	100

Ice Maker Valves w/ Hammer Arrestor

Press Connection • 1/2" Inlet • Fits All Standard Outlet Boxes



- Brass Body
- 1/4 Turn Handle
- Lead Free
- Certified to NSF61/372 and ANSI A112.18.1



PART #	DESCRIPTION	INNER	MASTER
545RH	White 1/4 Turn Icemaker Valve With Hammer	5	50

FlexBox Outlet Box

Press Connection • Durable ABS

- 4 integrated mounting tabs
- Dual drain knockouts
- Optional dual valve shut-off handle



ASSEMBLED PART #	UNASSEMBLED PART #	DESCRIPTION	INNER	MASTER
SB200-R	SB201-R	Dual Outlet Box	1	12
SB200-RH	SB201-RH	Dual Outlet Box w/ Ham-	1	12

UniBox Ice Maker Outlet Box

Press Connection • Durable ABS

- For Ice maker & water dispenser
- 4 integrated mounting tabs
- 1/4" OD Compression outlet
- Lead Free



PART #	DESCRIPTION	INNER	MASTER
SB100-R	Icemaker Outlet Box	5	50
SB100-RH	Icemaker Outlet Box With Hammer	5	50



ASTM
F1960
EXPANSION PEX

ASTM
F1807
CRIMP PEX

F1960 Pex x Press Tees

F1960 Pex X Press Connections • Lead Free

newinnovation

ASTM
F1960
EXPANSION PEX



PART #	SIZE
WPXPRT3403	3/4" Press x 1/2" PEX
WPXPRT1001	1" Press x 1/2" PEX
WPXPRT1002	1" Press x 3/4" PEX
WPXPRT1101	1-1/4" Press x 1/2" PEX
WPXPRT1102	1-1/4" Press x 3/4" PEX
WPXPRT1501	1-1/2" Press x 1/2" PEX
WPXPRT1502	1-1/2" Press x 3/4" PEX
WPXPRT1503	1-1/2" Press x 1" PEX

PRESS
CONNECT

F1807 Pex x Press Tees

F1807 Pex X Press Connections • Lead Free

newinnovation

ASTM
F1807
CRIMP PEX



PART #	SIZE
PXPRT3403	3/4" Press x 1/2" PEX
PXPRT1001	1" Press x 1/2" PEX
PXPRT1002	1" Press x 3/4" PEX
PXPRT1101	1-1/4" Press x 1/2" PEX
PXPRT1102	1-1/4" Press x 3/4" PEX
PXPRT1501	1-1/2" Press x 1/2" PEX
PXPRT1502	1-1/2" Press x 3/4" PEX
PXPRT1503	1-1/2" Press x 1" PEX

PRESS
CONNECT

F1960 Pex x Press Adapters

F1960 Pex X Press Connections • Lead Free

ASTM
F1960
EXPANSION PEX



PART #	SIZE
WPXPC012	1/2"
WPXPC034	3/4"
WPXPC100	1"
WPXPC114	1-1/4"
WPXPC112	1-1/2"
WPXPC200	2"

PRESS
CONNECT

F1807 Pex x Press Adapters

F1807 Pex X Press Connections • Lead Free

ASTM
F1807
CRIMP PEX



PART #	SIZE
PXPC012	1/2"
PXPC034	3/4"
PXPC100	1"
PXPC114	1-1/4"
PXPC112	1-1/2"
PXPC200	2"

PRESS
CONNECT

FRBL Series F1960 Pex x Press Ball Valve

F1960 Pex X Press Connections • Lead Free

newinnovation

ASTM
F1960
EXPANSION PEX



PART #	SIZE
FRBL-012-NL	1/2"
FRBL-034-NL	3/4"
FRBL-001-NL	1"

PRESS
CONNECT

PRBL Series F1807 Pex x Press Ball Valve

F1807 Pex X Press Connections • Lead Free

newinnovation

ASTM
F1807
CRIMP PEX



PART #	SIZE
PRBL-012-NL	1/2"
PRBL-034-NL	3/4"
PRBL-001-NL	1"

PRESS
CONNECT



PRESS COPPER FITTINGS

ASTM B88, Certified to NSF/ANSI 61 and 372



Copper Female Adapter P X FPT - SMALL



PART #	SIZE	INNER	MASTER
PCFA0012	1/2"	10	300
PCFA0034	3/4"	10	150
PCFA0100	1"	10	180
PCFA0125	1-1/4"	1	80
PCFA0150	1-1/2"	1	55
PCFA0200	2"	1	40

Copper Female Adapter P X FPT - LARGE



PCFA0250	2-1/2"	1	36
PCFA0300	3"	1	24

Copper Female Adapter REDUCING P X FPT - SMALL



PCFA0121	1/2" X 3/8"	10	300
PCFA1234	1/2" X 3/4"	10	180
PCFA3412	3/4" X 1/2"	10	180
PCFA3410	3/4" X 1"	10	200
PCFA1012	1" X 1/2"	10	250
PCFA1034	1" X 3/4"	10	200
PCFA1011	1" X 1-1/4"	10	140
PCFA1110	1-1/4" X 1"	1	100
PCFA1115	1-1/4" X 1-1/2"	1	55
PCFA1511	1-1/2" X 1-1/4"	1	55

Copper Male Adapter P X MPT - SMALL



PCMA0012	1/2"	10	300
PCMA0034	3/4"	10	160
PCMA0100	1"	10	160
PCMA0125	1-1/4"	1	100
PCMA0150	1-1/2"	1	50
PCMA0200	2"	1	35

Copper Male Adapter P X MPT - LARGE



PCMA0250	2-1/2"	1	28
PCMA0300	3"	1	18
PCMA0400	4"	1	12

Copper Male Adapter STREET - FTG X MPT



PFMA0012	1/2"	5	250
PFMA0034	3/4"	5	160
PFMA0100	1"	5	200
PFMA0114	1-1/4"	1	80
PFMA0112	1-1/2"	1	60
PFMA0200	2"	1	40

Copper Male Adapter REDUCING - P X MPT



PART #	SIZE	INNER	OUTER
PCMA0121	1/2" X 3/8"	10	-
PCMA1234	1/2" X 3/4"	10	180
PCMA3412	3/4" X 1/2"	10	180
PCMA3410	3/4" X 1"	10	200
PCMA1034	1" X 3/4"	10	180
PCMA1011	1" X 1-1/4"	10	100
PCMA1110	1-1/4" X 1"	1	95
PCMA1115	1-1/4" X 1-1/2"	1	55
PCMA1511	1-1/2" X 1-1/4"	1	55
PCMA1520	1-1/2" X 2"	1	40
PCMA2015	2" X 1-1/2"	1	40

Copper Male Adapter REDUCING STREET - FTG X MPT



PFMA1234	1/2" X 3/4"	5	200
PFMA3412	3/4" X 1/2"	5	180
PFMA1034	1" X 3/4"	5	200

Copper Female Adapter STREET - FTG X FPT



PFFA0012	1/2"	5	250
PFFA0034	3/4"	5	150
PFFA0100	1"	1	110
PFFA0125	1-1/4"	1	80
PFFA0150	1-1/2"	1	55
PFFA0200	2"	1	40

Copper Female Adapter REDUCING STREET - FTG X FPT



PFFA1234	1/2" X 3/4"	5	-
FPFA3412	3/4" X 1/2"	5	-
FPFA0134	1" X 3/4"	5	-

Copper Cap P - SMALL



PTEC0012	1/2"	10	450
PTEC0034	3/4"	10	450
PTEC0100	1"	5	250
PTEC0125	1-1/4"	1	100
PTEC0150	1-1/2"	1	80
PTEC0200	2"	1	55

Copper Cap P - LARGE



PTEC0250	2-1/2"	1	40
PTEC0300	3"	1	36
PTEC0400	4"	1	24

PRESS COPPER FITTINGS

ASTM B88, Certified to NSF/ANSI 61 and 372



Copper Press 45° Elbow P X P



PART #	SIZE	INNER	OUTER
PCLF0012	1/2"	10	400
PCLF0034	3/4"	10	200
PCLF0100	1"	5	140
PCLF0125	1-1/4"	1	70
PCLF0150	1-1/2"	1	40
PCLF0200	2"	1	25

Copper Press 45° Elbow P X P



PCLF0250	2-1/2"	1	16
PCLF0300	3"	1	12
PCLF0400	4"	1	6

Copper Press 45° Street Elbow P X FTG



PCSF0012	1/2"	10	450
PCSF0034	3/4"	10	260
PCSF0100	1"	5	140
PCSF0125	1-1/4"	1	70
PCSF0150	1-1/2"	1	40
PCSF0200	2"	1	25

Copper Press 45° Street Elbow P X FTG



PCSF0250	2-1/2"	1	18
PCSF0300	3"	1	12
PCSF0400	4"	1	6

Copper 90° Elbow P X P - SMALL



PCLN0012	1/2"	10	350
PCLN0034	3/4"	10	180
PCLN0100	1"	5	100
PCLN0125	1-1/4"	1	55
PCLN0150	1-1/2"	1	35
PCLN0200	2"	1	18

Copper 90° Elbow P X P - LARGE



PCLN0250	2-1/2"	1	12
PCLN0300	3"	1	9
PCLN0400	4"	1	4

Copper 90° Elbow REDUCING - P X P



PCRN3412	3/4" X 1/2"	15	240
PCRN1034	1" X 3/4"	10	120

Copper 90° Street Elbow FTG X P - SMALL



PART #	SIZE	INNER	OUTER
PCSN0012	1/2"	10	400
PCSN0034	3/4"	10	200
PCSN0100	1"	5	100
PCSN0125	1-1/4"	1	55
PCSN0150	1-1/2"	1	35
PCSN0200	2"	1	20

Copper 90° Street Elbow FTG X P - LARGE



PCSN0250	2-1/2"	1	14
PCSN0300	3"	1	9
PCSN0400	4"	1	4

Copper Female 90° Elbow P X FPT - SMALL



PFNL0012	1/2"	5	200
PFNL0034	3/4"	5	120
PFNL0001	1"	1	60
PFNL0114	1-1/4"	1	45
PFNL0112	1-1/2"	1	25
PFNL0002	2"	1	15

Copper Male 90° Elbow P X MPT - SMALL



PMNL0012	1/2"	5	200
PMNL0034	3/4"	5	120
PMNL0001	1"	1	65
PMNL0114	1-1/4"	1	45
PMNL0112	1-1/2"	1	25
PMNL0002	2"	1	15

Copper Reducer Coupling REDUCER - P X P - SMALL



PCRC3412	3/4" X 1/2"	10	300
PCRC1012	1" X 1/2"	10	200
PCRC1034	1" X 3/4"	10	200
PCRC1145	1-1/4" X 1/2"	1	100
PCRC1134	1-1/4" X 3/4"	1	80
PCRC1110	1-1/4" X 1"	1	80
PCRC1125	1-1/2" X 1/2"	1	70
PCRC1534	1-1/2" X 3/4"	1	70
PCRC1510	1-1/2" X 1"	1	70
PCRC1511	1-1/2" X 1-1/4"	1	60
PCRC2000	2" X 1/2"	1	50
PCRC2034	2" X 3/4"	1	50
PCRC2010	2" X 1"	1	50
PCRC2011	2" X 1-1/4"	1	40
PCRC2015	2" X 1-1/2"	1	40





PRESS COPPER FITTINGS

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Copper Reducer Coupling P X P - LARGE



PART #	SIZE	INNER	OUTER
PCRC2510	2-1/2" X 1"	1	40
PCRC2511	2-1/2" X 1-1/4"	1	40
PCRC2515	2-1/2" X 1-1/2"	1	40
PCRC2520	2-1/2" X 2"	1	30
PCRC3015	3" X 1-1/2"	1	24
PCRC3020	3" X 2"	1	24
PCRC3025	3" X 2-1/2"	1	24
PCRC4020	4" X 2"	1	10
PCRC4212	4" X 2-1/2"	1	10
PCRC4030	4" X 3"	1	10

Copper Coupling WITH STOP - P X P - SMALL



PPRC0012	1/2"	10	550
PPRC0034	3/4"	10	260
PPRC0100	1"	5	170
PPRC0114	1-1/4"	1	80
PPRC0112	1-1/2"	1	50
PPRC0200	2"	1	35

Copper Coupling WITH STOP - P X P - LARGE



PPRC0212	2-1/2"	1	32
PPRC0300	3"	1	18
PPRC0400	4"	1	12

Copper Fitting Reducer FTG X P - SMALL



FPRC3412	3/4" X 1/2"	10	400
FPRC1012	1" X 1/2"	10	300
FPRC1034	1" X 3/4"	10	240
FPRC1112	1-1/4" X 1/2"	5	180
FPRC1134	1-1/4" X 3/4"	5	170
FPRC1110	1-1/4" X 1"	5	150
FPRC1512	1-1/2" X 1/2"	5	130
FPRC1534	1-1/2" X 3/4"	1	70
FPRC1510	1-1/2" X 1"	1	70
FPRC1511	1-1/2" X 1-1/4"	1	70
FPRC2012	2" X 1/2"	1	50
FPRC2034	2" X 3/4"	1	50
FPRC2010	2" X 1"	1	50
FPRC2011	2" X 1-1/4"	1	50
FPRC2015	2" X 1-1/2"	1	40

Copper Fitting Reducer FTG X P - LARGE



PART #	SIZE	INNER	OUTER
FPRC2510	2-1/2" X 1"	1	40
FPRC2511	2-1/2" X 1-1/4"	1	40
FPRC2515	2-1/2" X 1-1/2"	1	40
FPRC2520	2-1/2" X 2"	1	35
FPRC3014	3" X 1-1/4"	1	25
FPRC3015	3" X 1-1/2"	1	24
FPRC3020	3" X 2"	1	24
FPRC3025	3" X 2-1/2"	1	24
FPRC4020	4" X 2"	1	12
FPRC4025	4" X 2-1/2"	1	10
FPRC4030	4" X 3"	1	10

Copper Coupling WITHOUT STOP - EXTENDED



PPXL0012	1/2"	5	250
PPXL0034	3/4"	5	150
PPXL0100	1"	5	100
PPXL0125	1-1/4"	1	60
PPXL0150	1-1/2"	1	40
PPXL0200	2"	1	27

Copper Coupling WITHOUT STOP - SHORT - SMALL



PPCL0012	1/2"	10	450
PPCL0034	3/4"	10	260
PPCL0100	1"	5	170
PPCL0125	1-1/4"	1	80
PPCL0150	1-1/2"	1	50
PPCL0200	2"	1	35

Copper Coupling WITHOUT STOP - SHORT - LARGE



PPCL0250	2-1/2"	1	32
PPCL0300	3"	1	18
PPCL0400	4"	1	12

Copper Press Cross Over P X P - SMALL



PPCR0012	1/2"	10	-
PPCR0034	3/4"	10	100

Copper Street Cross Over FPT X P - SMALL



FPCR0012	1/2"	10	-
FPCR0034	3/4"	10	-

PRESS COPPER FITTINGS

ASTM B88, Certified to NSF/ANSI 61 and 372



Copper 150lb. Dielectric Flange P X P - SMALL



PART #	SIZE	INNER	MASTER
PABP0100	1"	1	-
PABP0114	1-1/4"	1	-
PABP0112	1-1/2"	1	-
PABP0200	2"	1	-

Copper 150lb. Dielectric Flange P X P - LARGE



PABP0212	2-1/2"	1	4
PABP0300	3"	1	3
PABP0400	4"	1	3

Copper Female Outlet Tee P X P X FPT - SMALL



PPFT0012	1/2"	5	-
PPFT0034	3/4"	5	80
PPFT0001	1"	5	60
PPFT0114	1-1/4"	1	40
PPFT0112	1-1/2"	1	-

Copper Female Outlet Tee REDUCING P X P X FPT - SMALL



PPFT3431	3/4" X 3/4" X 1/4"	5	-
PPFT3412	3/4" X 3/4" X 1/2"	5	100
PPFT1112	1" X 1" X 1/2"	5	80
PPFT1134	1" X 1" X 3/4"	5	70
PPFT1412	1-1/4" X 1-1/4" X 1/2"	1	-
PPFT1434	1-1/4" X 1-1/4" X 3/4"	1	-
PPFT1212	1-1/2" X 1-1/2" X 1/2"	1	32
PPFT1213	1-1/2" X 1-1/2" X 3/4"	1	-
PPFT2212	2" X 2" X 1/2"	1	-
PPFT2234	2" X 2" X 3/4"	1	20

Copper Female Outlet Tee REDUCING P X P X FPT - LARGE



PPFT2513	2-1/2" X 2-1/2" X 3/4"	1	-
PPFT3033	3" X 3" X 3/4"	1	-
PPFT4043	4" X 4" X 3/4"	1	-

Copper Tee P X P X P - SMALL



PART #	SIZE	INNER	OUTER
PCTE0012	1/2"	10	200
PCTE0034	3/4"	10	120
PCTE0100	1"	5	70
PCTE0125	1-1/4"	1	45
PCTE0150	1-1/2"	1	25
PCTE0200	2"	1	15

Copper Tee P X P X P - LARGE



PCTE0250	2-1/2"	1	10
PCTE0300	3"	1	7
PCTE0400	4"	1	4

Copper Tee REDUCING - P X P X P - SMALL



PCRT1201	1/2" X 1/2" X 3/4"	10	140
PCRT1202	1/2" X 1/2" X 1"	5	60
PCRT3401	3/4" X 3/4" X 1/2"	10	140
PCRT3402	3/4" X 3/4" X 1"	5	60
PCRT3403	3/4" X 1/2" X 1/2"	10	150
PCRT3404	3/4" X 1/2" X 3/4"	5	120
PCRT1008	1/2" X 1/2" X 3/4"	5	80
PCRT1007	1" X 1/2" X 1"	5	80
PCRT1006	1" X 3/4" X 1/2"	5	100
PCRT1005	1" X 3/4" X 3/4"	5	100
PCRT1004	1" X 3/4" X 1"	5	70
PCRT1001	1" X 1" X 1/2"	5	100
PCRT1002	1" X 1" X 3/4"	5	80
PCRT1003	1" X 1" X 1-1/4"	1	70
PCRT1104	1-1/4" X 1/2" X 1-1/4"	1	40
PCRT1105	1-1/4" X 3/4" X 1/2"	1	50
PCRT1106	1-1/4" X 3/4" X 3/4"	1	50
PCRT1107	1-1/4" X 3/4" X 1"	1	50
PCRT1108	1-1/4" X 3/4" X 1-1/4"	1	40
PCRT1109	1-1/4" X 1" X 1/2"	1	50
PCRT1110	1-1/4" X 1" X 3/4"	1	45
PCRT1111	1-1/4" X 1" X 1"	1	50
PCRT1112	1-1/4" X 1" X 1-1/4"	1	-
PCRT1101	1-1/4" X 1-1/4" X 1/2"	1	60
PCRT1102	1-1/4" X 1-1/4" X 3/4"	1	55
PCRT1103	1-1/4" X 1-1/4" X 1"	1	50
PCRT1511	1-1/2" X 1/2" X 1-1/2"	1	25
PCRT1512	1-1/2" X 3/4" X 3/4"	1	-
PCRT1505	1-1/2" X 1" X 3/4"	1	30
PCRT1506	1-1/2" X 1" X 1"	1	30
PCRT1507	1-1/2" X 1" X 1-1/2"	1	25
PCRT1508	1-1/2" X 1-1/4" X 3/4"	1	35
PCRT1509	1-1/2" X 1-1/4" X 1"	1	25
PCRT1510	1-1/2" X 1-1/4" X 1-1/4"	1	30





PRESS COPPER FITTINGS

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Copper Tee REDUCING - P X P X P - SMALL



PART #	SIZE	INNER	OUTER
PCRT1501	1-1/2" X 1-1/2" X 1/2"	1	40
PCRT1502	1-1/2" X 1-1/2" X 3/4"	1	35
PCRT1503	1-1/2" X 1-1/2" X 1"	1	35
PCRT1504	1-1/2" X 1-1/2" X 1-1/4"	1	30
PCRT1513	2" X 1/2" X 2"	1	-
PCRT2011	2" X 3/4" X 2"	1	-
PCRT2012	2" X 1" X 1"	1	20
PCRT2013	2" X 1" X 2"	1	15
PCRT2006	2" X 1-1/4" X 1-1/4"	1	20
PCRT2007	2" X 1-1/2" X 3/4"	1	20
PCRT2008	2" X 1-1/2" X 1"	1	20
PCRT2009	2" X 1-1/2" X 1-1/4"	1	20
PCRT2010	2" X 1-1/2" X 1-1/2"	1	16
PCRT2014	2" X 1-1/2" X 2"	1	16
PCRT2001	2" X 2" X 1/2"	1	25
PCRT2002	2" X 2" X 3/4"	1	25
PCRT2003	2" X 2" X 1"	1	23
PCRT2004	2" X 2" X 1-1/4"	1	20
PCRT2005	2" X 2" X 1-1/2"	1	16

Copper Tee REDUCING - P X P X P - LARGE



PCRT2507	2-1/2" X 3/4" X 2-1/2"	1	10
PCRT2514	2-1/2" X 1" X 2-1/2"	1	10
PCRT2515	2-1/2" X 1-1/4" X 2-1/2"	1	8
PCRT2516	2-1/2" X 1-1/2" X 2"	1	8
PCRT2508	2-1/2" X 1-1/2" X 2-1/2"	1	8
PCRT2509	2-1/2" X 2" X 3/4"	1	15
PCRT2510	2-1/2" X 2" X 1"	1	15
PCRT2517	2-1/2" X 2" X 1-1/2"	1	12
PCRT2512	2-1/2" X 2" X 2"	1	10
PCRT2513	2-1/2" X 2" X 2-1/2"	1	10
PCRT2501	2-1/2" X 2-1/2" X 1/2"	1	18
PCRT2502	2-1/2" X 2-1/2" X 3/4"	1	18
PCRT2503	2-1/2" X 2-1/2" X 1"	1	16
PCRT2504	2-1/2" X 2-1/2" X 1-1/4"	1	15
PCRT2505	2-1/2" X 2-1/2" X 1-1/2"	1	12
PCRT2506	2-1/2" X 2-1/2" X 2"	1	12
PCRT3012	3" X 3/4" X 3"	1	6
PCRT3013	3" X 1" X 3"	1	7
PCRT3014	3" X 1-1/4" X 3"	1	-
PCRT3015	3" X 1-1/2" X 3"	1	6
PCRT3008	3" X 2" X 2"	1	9
PCRT3016	3" X 2" X 2-1/2"	1	-
PCRT3009	3" X 2" X 3"	1	6
PCRT3010	3" X 2-1/2" X 2"	1	8
PCRT3011	3" X 2-1/2" X 2-1/2"	1	-
PCRT3017	3" X 2-1/2" X 3"	1	-

COPPER REDUCING TEES CONTINUED

PART #	SIZE	INNER	OUTER
PCRT3001	3" X 3" X 1/2"	1	15
PCRT3002	3" X 3" X 3/4"	1	12
PCRT3003	3" X 3" X 1"	1	12
PCRT3004	3" X 3" X 1-1/4"	1	12
PCRT3005	3" X 3" X 1-1/2"	1	10
PCRT3006	3" X 3" X 2"	1	10
PCRT3007	3" X 3" X 2-1/2"	1	7
PCRT4009	4" X 3" X 2"	1	-
PCRT4010	4" X 3" X 3"	1	4
PCRT4001	4" X 4" X 1/2"	1	8
PCRT4002	4" X 4" X 3/4"	1	8
PCRT4003	4" X 4" X 1"	1	8
PCRT4004	4" X 4" X 1-1/4"	1	5
PCRT4005	4" X 4" X 1/2"	1	6
PCRT4006	4" X 4" X 2"	1	6
PCRT4007	4" X 4" X 2-1/2"	1	4
PCRT4008	4" X 4" X 3"	1	4

Lead Free Brass Press Union P X P - SMALL



PPPU0012-NL	1/2"	1	-
PPPU0034-NL	3/4"	1	-
PPPU0100-NL	1"	1	-
PPPU0114-NL	1-1/4"	1	-
PPPU0112-NL	1-1/2"	1	-
PPPU0200-NL	2"	1	-

Lead Free Brass Male Union P X M - SMALL



PPMU0012-NL	1/2"	1	-
PPMU0034-NL	3/4"	1	-
PPMU0001-NL	1"	1	-
PPMU0114-NL	1-1/4"	1	-
PPMU0112-NL	1-1/2"	1	-
PPMU0002-NL	2"	1	-

Lead Free Brass Female Union P X F - SMALL



PPFU0012-NL	1/2"	1	-
PPFU0034-NL	3/4"	1	-
PPFU0001-NL	1"	1	-
PPFU0114-NL	1-1/4"	1	-
PPFU0112-NL	1-1/2"	1	-
PPFU0002-NL	2"	1	-

Lead Free Brass 90° Elbow DROP EAR W/ WALL PLATE P X FPT



PFDL0012	1/2"	5	-
PFDL0034	3/4"	5	-

PRESS COPPER FITTINGS

ASTM B88, Certified to NSF/ANSI 61 and 372



Copper Press Manifolds

P X P



PART #	SIZE	INNER	MASTER
PCMO3112	1x1/2(3-open)	1	5
PCMO1112	1x1/2(1-open)	1	5
PCMO3113	1x3/4(3-open)	1	5
PCMO1113	1x3/4(1-open)	1	5

Press Brass Stiffener Insert

- Fits into the end of standard 3/4" copper baseboard tubing
- Reinforce thin wall copper tubing for press connection on baseboard radiators



PART #	SIZE	INNER	MASTER
PCSA0034	3/4"	10	20

Accessories

Leak Detect EPDM O-Ring - small



PART #	SIZE	INNER	MASTER
ORLD0012	1/2"	3	3
ORLD0034	3/4"	3	3
ORLD0100	1"	3	3
ORLD0114	1-1/4"	3	3
ORLD0112	1-1/2"	3	3
ORLD0200	2"	3	3

EPDM O-Ring - Large



PART #	SIZE	INNER	MASTER
ORLD0212	2-1/2"	3	3
ORLD0300	3"	3	3
ORLD0400	4"	3	3



PRODUCTS

Material

Tubing for use with JWPress fittings must conform to ASTM B75 or ASTM B88. Copper and lead free copper alloy JWPress fittings conform to ASME B16.18, ASME B16.22 or ASME B16.26.

Press Fitting: Copper and copper alloy press fittings conform to material requirements of ASME B16.18 or ASME B16.22, and performance criteria of IAPMO PS 117.

Sealing elements for press fittings are EPDM.
Sealing elements are factory installed or supplied by fitting manufacturer.

Integral Leak path design, assures leakage of liquids and/or gases from inside the system past the sealing element of an unpressed connection.
This allows for quick and easy identification of connections which have not been pressed prior to putting the system into operation.

All Threaded JWPress fittings, are manufactured with threads conforming to ASME B1.20.1.
All Hangers and supports used in Piping systems which include JWPress fittings must conform to MSS-SP-58.
and must be installed per local code.

Source Quality Control

All JWPress fittings, are listed by a third party agency to conform to NSF 61 Annex G.
All JWPress fittings have been tested and are compliant with CSA standards.
All JWPress fittings have been registered and assigned CRN numbers for use throughout Canada.

EXECUTION

Examination

The installing contractor shall examine the copper tube and press fittings for apparent defects.
Visible defects should be cause rejection of use in installation.
Do not attempt to make field repairs to fittings when a visible defect has been noted.
The installing contractor shall ensure that sealing elements are properly in place and free from damage.
For Sizes 2-1/2" to 4", installer should ensure that the stainless steel grip ring is in place.

Preparation

A. Copper tubing shall be cut with a wheeled tubing cutter or an approved copper tubing cutting tool.
The tubing shall be cut square to permit proper joining with the fittings.

B. Remove scale, slag, dirt and debris from inside and outside of tubing and fittings before assembly.
The tubing end shall be wiped clean and dry.
The burrs on the tubing shall be reamed with a deburring or reaming tool.

PRESS ENGINEERING DATA

Installation General Locations

Plans indicate general location and arrangement of piping systems.
Identified locations and arrangements are used to size tubing and calculate friction loss, expansion, pump sizing and other design considerations.
Install piping as indicated, except where deviations to layout are approved.

Installation

Pressure Rating: Install components having a pressure rating equal to or greater than the system operating pressure.

Install piping free of sags, bends and kinks.

Change in Direction: Install fittings for changes in direction and branch connections. Where approved, changes in direction may also be made by bending of Types K and L tube.

Solder Joints: Solder joints shall be made in accordance with ASTM B 828.
The temperature of the joint during soldering shall not be raised above the maximum temperature limitation of the flux.

Threaded Joints: Threaded joints shall have pipe joint compound or teflon tape applied to the male threads only. Tighten joint with a wrench and backup wrench as required.

Press connections: Copper and copper alloy press connections shall be made in accordance with the manufacturer's installation instructions. The tubing shall be fully inserted into the fitting and the tubing marked at the shoulder of the fitting. The fitting alignment shall be checked against the mark on the tubing to assure the tubing is fully engaged (inserted) in the fitting. The joints shall be pressed using the tool(s) approved by the manufacturer.

Pipe Protection: Provide protection against abrasion where copper tubing is in contact with other building members by wrapping with an approved tape, pipe insulation or otherwise suitable method of isolation.

Penetration Protection: Provide allowance for thermal expansion and contraction of copper tubing passing through a wall, floor, ceiling or partition by wrapping with an approved tape or pipe insulation or by installing through an appropriately sized sleeve.

Backfill Material: When using JWPress fittings protect against contact with cinders, refuse, stones, ash or other materials which can damage or break the tubing or promote corrosive action in any trench or excavation in which tubing is installed.

Install hangers for horizontal piping in accordance with MSS-SP-69 or the following maximum spacing and minimum rod sizes.

Vertical copper tubing shall be supported at each floor, unless otherwise specified by local building code.

To protect against galvanic corrosion, hangers and supports shall be either copper or vinyl coated, or insulated to prevent galvanic corrosion between the tubing and the supporting member.

PRESS ENGINEERING DATA

In seismic areas, copper tubing shall be installed to local code.

Copper tubing systems shall be identified in accordance with the requirements of ASME A13.1.

Field Quality Control

Air testing of system with JWPress

The copper tubing system shall be air tested for joint tightness.

The piping system shall be pressurized with air to the maximum pressure of the system or to the code or standard required minimum for the required length of time. The system shall have no leaks at the rated pressure.

Water testing of piping system with JWPress

The copper tubing system shall be water tested for joint tightness. The piping system shall be filled with water. The system shall be pressurized to the maximum pressure and length of time required by the code or standard. The system shall have no leaks at the rated pressure.

Cleaning (Potable Water Systems)

Disinfection of piping system

The copper hot and cold water distribution system shall be disinfected prior to being placed in service. The system shall be disinfected in accordance with AWWA C651 or the following requirements:

The piping system shall be flushed with potable water until discolored water does not appear at any of the outlets.

The system shall then be filled with a water chlorine solution containing at least 50 parts per million of chlorine, and allowed to stand for 24 hours. Consult local code to ascertain if more stringent cleaning is required.

Following the standing time, the system shall be flushed with potable water.



PRESS INSTALLATION

PREPARATION

Source Quality Control

- 1. Use a rotary tube cutter to cut the copper tube and achieve a squared end.
 - 2. Remove burrs from the end of the tube with a file. Make sure that the tube end is smooth and clean to avoid damaging the oring component of the press copper fitting.
 - 3. Alternately, an off the shelf commercial tube end deburring tool may be available. Regardless of the method by which tube end is deburred, the smooth clean tube end is critical to the proper use of copper press fittings.
 - 4. Identify the depth , using the size chart included, of the press fitting cup. Measure the tube from the end, marking it clearly at the desired insertion depth.
- When inserting the tube into the press fitting cup, clearly seat the tube until you have reached the mark on the exterior of the tube. This ensures a proper seal of fitting and tube.



Nominal Pipe Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Insertion Depth(in)	3/4"(0.75")	14/16"(0.9")	14/16"(0.9")	1"(1.02")	1-7/16"(1.41")	1-9/16"(1.56")	1-6/8"(1.7")	1-7/8"(1.85")	2-1/8"(2.15")

INSTALLATION INSTRUCTIONS

Small Size : 1/2" ~ 2"

For Types K, L and M Hard Copper Tubing in 1/2" to 2" and Soft Copper Tubing in 1/2" to 1-1/4".
This product contains zero lead.

- 1. Check seal for correct fit. Do not use oils or lubricants.
- 2. Mark proper insertion depth as indicated by the JWPress Insertion Depth Chart. Improper insertion depth may result in improper seal.
- 3. While turning slightly, slide press fitting onto tubing to the marked depth.
Note: End of tubing must contact stop.
- 4. Open the jaw and place at right angles on the fitting. Visually check insertion depth using mark on tubing
- 5. Start pressing process and hold the trigger until the jaw has engaged the fitting.
- 6. After pressing, the jaw can be opened again.

⚠ WARNING

Read and understand all instructions for installing JWPress fittings. Failure to follow all instructions may result in extensive property damage and serious injury.

PRESS INSTALLATION



Large Size : 2-1/2" ~ 4"

For Types K, L and M Hard Copper Tubing in 2 1/2" to 4"

1. Check seal and grip ring for correct fit. Do not use oils or lubricants
2. Mark proper insertion depth as indicated by JW Press Insertion Depth Chart. Improper insertion depth may result in improper seal.
While turning slightly, slide press fitting onto tubing to the marked depth.
Note: End of tubing must contact stop.
3. Open ring and place at right angles on the fitting. Ring must be engaged on the fitting bead. Check insertion depth.
4. With actuator inserted into the tool, open the actuator as shown and connect ring
5. Place actuator onto ring and start pressing process. Hold the trigger until the actuator has engaged the ring. Keep extremities and foreign objects away from ring and actuator during pressing operation to prevent injury or incomplete press



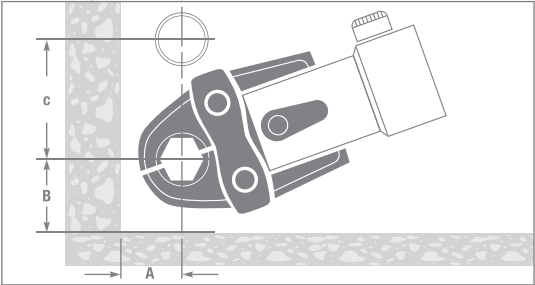
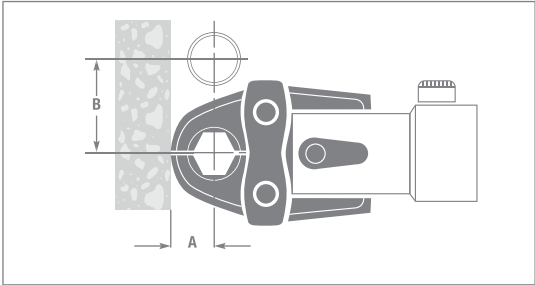
Leak Testing:

Unpressed connections are located by pressurizing the system with air or water. When testing with water the proper pressure range is 15 psi to 85 psi maximum. Leak testing with air can be dangerous at high pressures. When testing with compressed air the proper pressure range is 1/2 psi to 45 psi maximum. Following a successful leak test, the system may be pressure tested up to 200psi if required by local code requirements or project specifications.

Pressing Space Limitation:

Press tool and jaw sets can be difficult to get into some tighter spaces. In these instances JWPRESS recommends that when possible, preassembly be done away from these space restrictions, and then installed to minimize potential for bad alignment of the pressing tools and jaws. For most press joints, use of the press tools and jaws will not pose spatial issues. The following guidelines are recommended for standard installations.

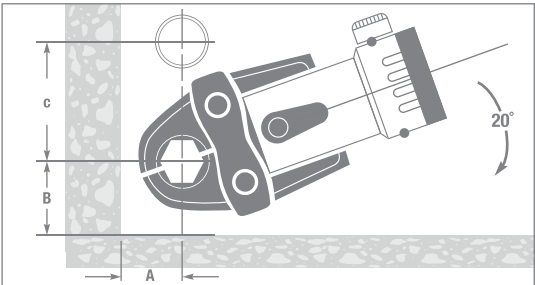
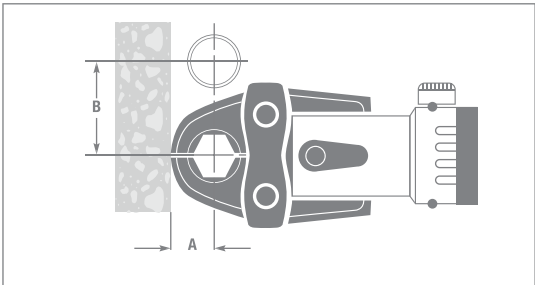
Small Diameter Pressing with Standard Jaw Clearance Requirements



Tube Diameter	A minimum		B minimum	
	inch	mm	inch	mm
1/2"	3/4	19	1 5/8	41
3/4"	7/8	22	2 1/8	54
1"	1	26	2 1/2	64
1 1/4"	1 1/8	29	2 7/8	73
1 1/2"	1 3/4	45	3 1/2	89
2"	2	51	4 3/8	111

Tube Diameter	A minimum		B minimum		C minimum	
	inch	mm	inch	mm	inch	mm
1/2"	7/8	23	1 3/8	35	2 1/2	64
3/4"	1	26	1 1/2	38	2 1/2	64
1"	1 1/8	29	1 3/4	45	3	76
1 1/4"	1 1/4	32	2 1/4	57	3 1/8	80
1 1/2"	1 7/8	48	1 1/2	64	3 3/4	95
2"	2 1/8	54	3 1/8	80	5	127

Pressing with Compact Jaws Clearance Requirements



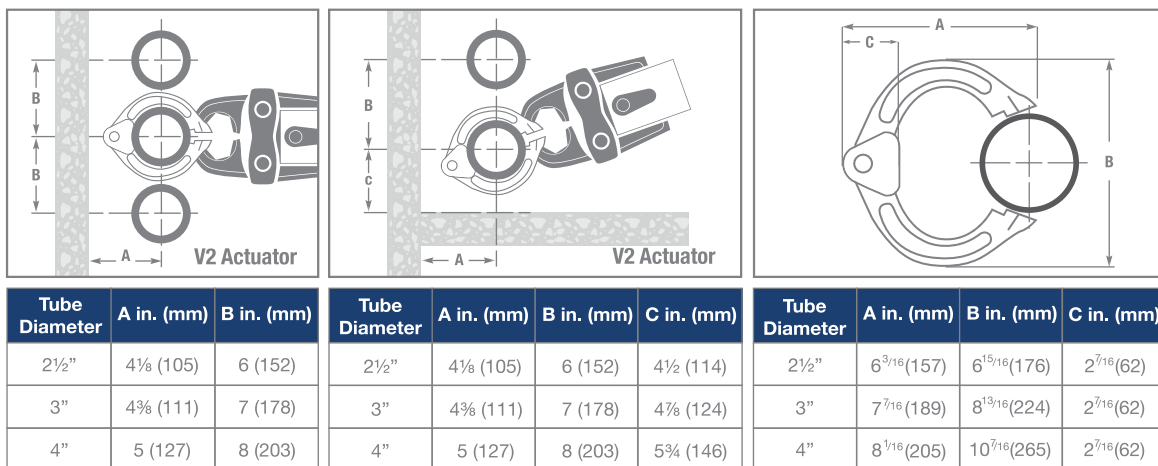
Tube Diameter	A minimum		B minimum	
	inch	mm	inch	mm
1/2"	3/4	19	2	51
3/4"	7/8	22	2 3/8	60
1"	7/8	26	2 5/8	67
1 1/4"	1 1/8	28	3 1/8	85

Tube Diameter	A minimum		B minimum		C minimum	
	inch	mm	inch	mm	inch	mm
1/2"	7/8	23	1 3/8	35	2 1/2	64
3/4"	1	26	1 1/2	38	2 3/4	70
1"	1 1/8	29	1 5/8	41	3	76
1 1/4"	1 5/8	39	2 1/8	53	3 3/8	85

Large Diameter Pressing Requirements With Standard Press Ring



Procedure for laying the copper press ring around the JWPress fitting with minimum space requirements.





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