

JOB NAME _____ ITEM TAG _____

JOB LOCATION _____ PART NUMBER _____

CONTRACTOR _____ DATE _____

ENGINEER APPROVAL _____ DATE _____

LEAD-FREE INSTA-LOC II™ PUSH-TO-CONNECT FULL- PORT BALL VALVES

P-2200NL and P-2200NL Drop-Ear

Lead-free design is suitable for all no-lead potable water installations, in full compliance of all lead-free plumbing laws.

Insta-Loc II™ push-to-connect ends can be installed onto copper, PEX or CPVC tubing, eliminating the need for separate crimp-rings and tools, hazardous soldering or messy solvent-welding.

Dezincification-resistant (DZR) forged brass construction resists corrosion from exposure to a wide variety of water conditions.

The drop-ear body configuration permits stable mounting with two screws (not included), eliminating tubing flex during valve operation.

Female pipe thread configurations permit easy transition from piping to tubing, eliminating the need for additional fittings.

Available in nominal sizes 1/2", 3/4" and 1" in PTC x PTC, PTC x PTC drop-ear and PTC x FNPT configurations.

Working Pressure, Non Shock (PSI)

Cold working pressure (CWP): 200 psi @ 250° F, maximum temp.*

Saturated steam (WSP): Not suitable for steam service

***Caution!** May exceed the maximum service temperature or pressure of the PEX or CPVC tubing.

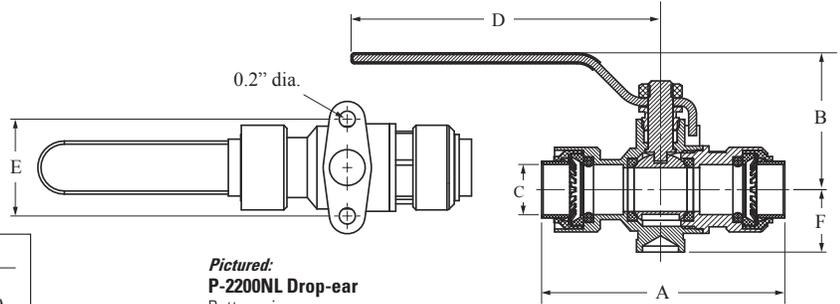
- Third-party tested and certified in compliance with U.S. Federal Public Law 111-380 (National lead-free plumbing law).
- UPC / IAPMO certified in compliance with ANSI / NSF Standard 61-G and ANSI / NSF Standard 14.
- End connections comply with:
ANSI / ASME B1.20.1 (FNPT)
ASSE 1061 (Push-fit for Copper-PVC-PEX)
- Manufactured in an ISO accredited facility.



Pictured:
P-2200NL FNPT x PTC



Pictured:
P-2200NL Drop-ear

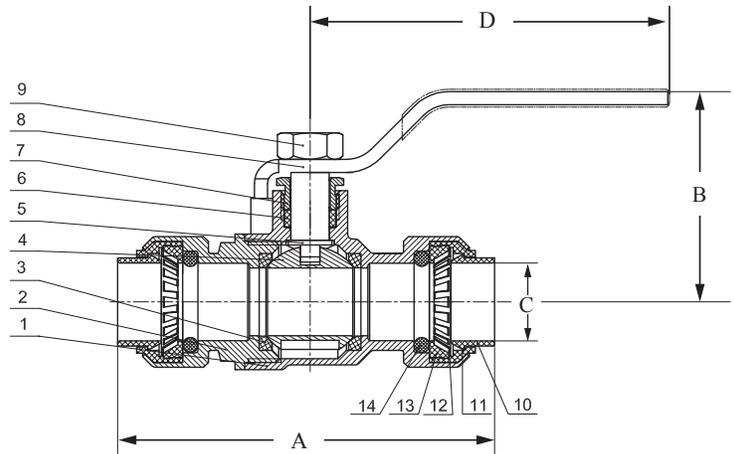


Pictured:
P-2200NL Drop-ear
Bottom view

Pictured:
P-2200NL Drop-ear
Cut-away view

DIMENSIONS						
Size	A	A (PTC x FNPT)	B	C	D	F (Drop-ear)
1/2"	3.06	2.78	1.71	0.63	3.88	1.22
3/4"	3.49	3.04	1.85	0.88	3.88	1.50
1"	4.05	3.35	2.13	1.13	4.39	1.30

MATERIAL SPECIFICATION		
PART	MATERIAL	SPECIFICATION
1	Body	Lead-free DZR forged brass UNS Alloy C46500
2	End adapter	Lead-free DZR forged brass UNS Alloy C46500
3	Seats	PTFE Teflon®
4	Ball	Lead-free DZR chrome plated forged brass UNS Alloy C46500
5	Stem	Lead-free DZR forged brass UNS Alloy C46500
6	Stem packing	PTFE Teflon®
7	Packing nut	Forged brass UNS Alloy C37700
8	Lever handle	Zinc plated steel ASME SA6, SA283 Grade C
9	Handle nut	Zinc plated steel AISI S201
10	Release collar	Polyacetal resin POM Celcon M90, commercial grade
11	Retainer ring	Polyacetal resin POM Celcon M90, commercial grade
12	Grip ring	Stainless steel AISI Grade 304
13	Guide ring	Polyacetal resin POM Celcon M90, commercial grade
14	O-ring	EPDM rubber Commercial grade
	Insert stiffener (not shown)	Polysulfone resin Commercial grade



Pictured:
P-2200NL PTC x PTC
Cut-away view

*Teflon is a registered trademark of the DuPont Company.

SUBMITTAL SHEET

JOB NAME	ITEM TAG
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INSTA-LOC II™ LEAD-FREE PUSH-TO-CONNECT TUBING FITTINGS

Elbows, Caps, Tees, Couplings and Adapters

Lead-free construction makes the Insta-Loc II™ fittings the ideal choice for all no-lead plumbing systems.

Dezincification-resistant (DZR) forged brass resists corrosion from exposure to a wide variety of water conditions.

Insta-Loc II™ fittings can be installed onto copper, PEX or CPVC tubing. Using the available release tools, they are removable and re-useable.

All configurations are equipped with pre-installed insert stiffeners for PEX tubing installations.

Expanded applications not only include new construction and repair of potable water plumbing distribution, but also hydronic heating systems.

Complete certification as a manufactured joint, all Insta-Loc II™ fittings are suitable for underground and non-accessible, behind-the-wall installations.

Available in various fitting configurations, in nominal tubing sizes 1/2", 3/4" and 1"

Working Pressure, Non Shock (PSI)

Cold working pressure (CWP): 200 psi at 250° F, maximum temperature*

***CAUTION!** May exceed the maximum service temperature or pressure of the PEX or CPVC tubing.

Saturated Steam (WSP): Not suitable for steam service

Certifications & Specifications:



- Third-party certified by UPC / IAPMO, in compliance with all State and pending U.S. Federal Public Law (111-380) for all lead-free potable water installations.
- Tested and certified in compliance with ANSI / NSF Standard 61 Annex G.
- Manufactured in an ISO accredited facility.

SPECIFICATIONS FOR INSTA-LOC II™ PUSH-TO-CONNECT FITTINGS:

All Insta-Loc II™ fittings meet the following Standards for performance, dimensional and material requirements:

American National Standards Institute (A.N.S.I.):

ANSI / NSF 14: Plastic Piping System Components and Related Materials

ANSI / ASME B1.20.1 (pipe-threaded configurations only): Pipe Threads, General Purpose (Inch)

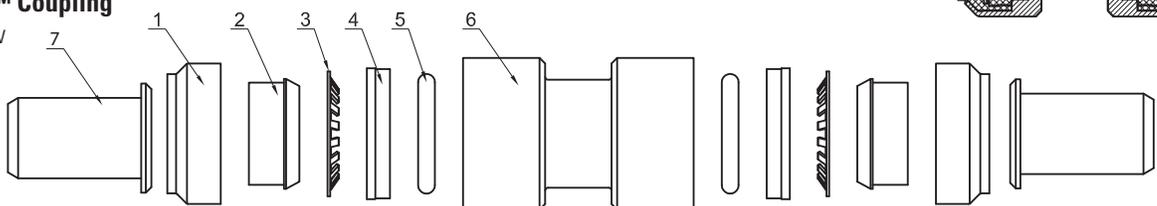
American Society of Sanitary Engineering (A.S.S.E):

ASSE 1061: Performance Requirements for Push-Fit Fittings



MATERIAL SPECIFICATION			
PART	MATERIAL	SPECIFICATION	
1	Retainer ring	Polyacetal resin	Celcon M90
2	Release collar	Polyacetal resin	Celcon M90
3	Grip ring	Stainless steel	AISI 304
4	Guide ring	Polyacetal resin	Celcon M90
5	O-ring	EPDM Rubber	Commercial grade
6	Body	Lead-free DZR forged brass	UNS C69300
7	Insert stiffener	Polysulfone resin	Commercial grade

Pictured Insta-Loc II™ Coupling Exploded view



Pictured Insta-Loc II™ Coupling Cut-away view

