

SUBMITTAL SHEET

JOB NAME	ITEM TAG
JOB LOCATION	PART NUMBER
CONTRACTOR	DATE
ENGINEER APPROVAL	DATE

SMARTCLICK[®] CONNECTION SYSTEM FOR PE-RT / PEX TUBING

P-2201NL SMARTCLICK BALL VALVE

SmartClick fittings are designed for permanent installation onto ASTM F876 and F877 compliant PEX tubing and ASTM F2769 compliant PE-RT tubing. They are designed and approved for use in domestic and commercial applications for both potable water distribution and Hydronic heating systems.

Available in nominal tubing sizes 1/2", 3/4" and 1".

NOT for use with Copper, CPVC polybutylene (PB), composite PEX-AL-PEX, or iron pipe size (IPS) tubing.

Working Pressure, Non Shock (PSI)

Cold working pressure (CWP):	200 PSI*
Maximum service temperature:	200°F*
Saturated steam (WSP):	Not suitable for steam service

*CAUTION! May exceed the maximum service temperature or pressure of the PE-RT or PEX tubing.

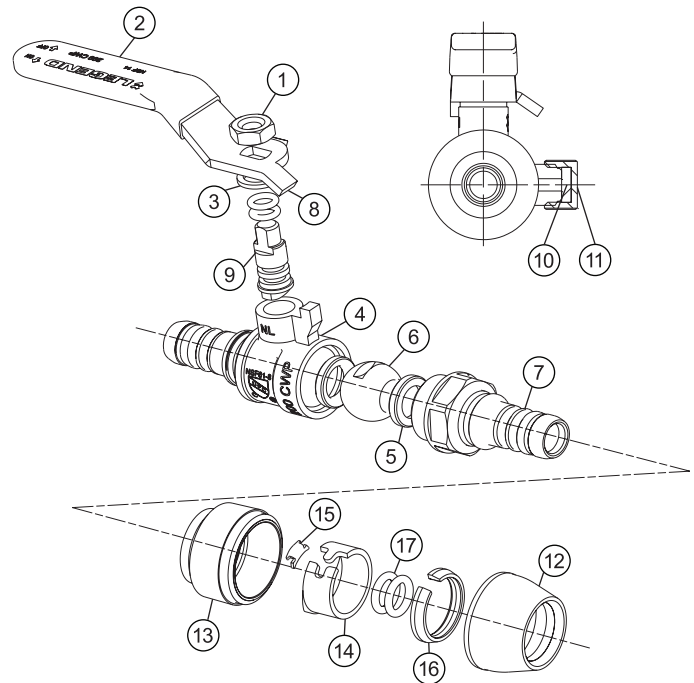


Pictured:
SmartClick Ball Valve

MATERIAL SPECIFICATION

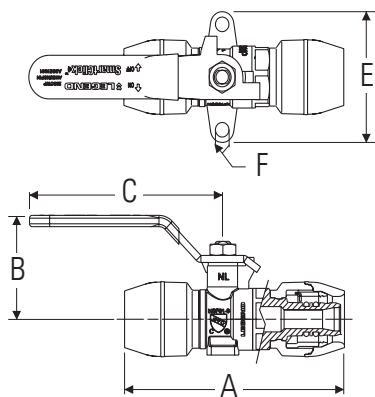
PART	MATERIAL
1 Handle Nut	Zinc Plated Steel
2 Lever Handle	Zinc Plated Steel
3 Anti-Friction Washer	PTFE
4 Body	DZR Lead-Free Forged Brass
5 Seats (2)	PTFE
6 Ball	DZR, Chrome-Plated, Lead-Free Forged Brass
7 End Adapter	DZR Lead-Free Forged Brass
8 Stem O-Rings (2)	EPDM
9 Stem	DZR Lead-Free Forged Brass, Chrome-Plated
10 Waste Cap Gasket*	EPDM
11 Waste Cap*	Brass
12 End Cap	Polycarbonate (PC)
13 Sight Glass	Polycarbonate (PC)
14 Clamp	Spring Steel
15 Retention Wedge	Spring Steel
16 Spacer	Polyphenylsulfone (PPSU)
17 O-rings (2)	EPDM

*Drop-ear with waste configuration only

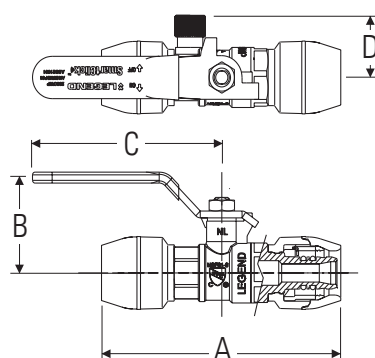


DIMENSIONS - Inch

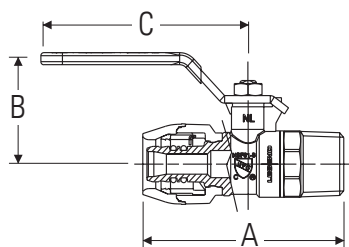
Size	A (Push x Push)	A (Push x Push w/ Waste)	A (Push x MNPT)	B	C	D	E	F
1/2"	3.36	3.73	2.87	1.44	3.06	1.22	1.48	0.20
3/4"	3.72	4.04	3.12	1.53	3.06	1.50	1.65	0.20
1"	4.52	4.83	3.85	2.00	4.14	1.87	1.93	0.20



Pictured:
SmartClick
Ball Valve
w/ Drop Ear



Pictured:
SmartClick
Ball Valve
w/ Drain



Pictured:
SmartClick
Ball Valve
MNPT

Certifications/Listings:

All SmartClick fittings are 3rd party certified (ICC-ES report PMG-1444) to the following standards and codes:

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

NSF/ANSI 61: Drinking water system components - Health effects.

ASSE 1061: Performance requirements for push-fit fitting.

Uniform Plumbing Code (UPC) 2024.

International Plumbing Code (IPC) 2024.

International Residential Code (IRC) 2024.

National Plumbing Code (NPC) 2020.

California Plumbing Code (CPC) 2022.

City of Los Angeles Plumbing Code 2023.

Code of Massachusetts Regulation 248 CMR 10.00 Uniform State Plumbing Code 2017.

Standards:

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