

CUT INSERT CLICK



SmartClickTM

Permanent Connection System for PE-RT & PEX

PERMANENT CONNECTION SYSTEM

When you are installing PE-RT or PEX tubing, there are times when the conditions are not ideal. When high up on ladder, making connections between joists or below in confined spaces, you want a connection system that is simple, self-confirming and verifiable.

SmartClick™ is five times faster to install than any other PE-RT or PEX fitting. In seconds you have a permanent connection without using any tools. No measuring, crimping, cinching, expansion tools, or go/no go gauges are necessary when using this patented connection system.

Cut the tubing and insert until you hear the click and in seconds you are finished. The spring steel clamp inside SmartClick™ closes around the outside of the tube sealing it onto the insert barb with two EPDM O-rings completing the connection.

SmartClick™ is the only PEX and PE-RT fitting system that you can quickly verify by sight. Through the sight glass you will see that the retention wedge has been displaced from the clamp. This visual verification confirms that you have made a secure, permanent and leak free connection.

Under normal operating conditions of a typical plumbing system the plastic tubing may expand and contract causing movement and extreme force on the tube and connections. The SmartClick™ spring steel clamp maintains a constant clamping pressure on the tube that will not weaken over time and will withstand the forces due to movement of the tube. SmartClick™ is a permanent connection.

SmartClick meets or exceeds all standards and requirements for potable water systems. It is for use in potable water plumbing and hydronic systems utilizing PE-RT (ASTM F 2769) or PEX (ASTM 876/877). SmartClick™ is patented and is exclusively from Legend.



SmartClickTM



TIME SAVINGS



5X FASTER

The time to insert PE-RT or PEX into a SmartClick Connector is a fraction of the time required for other fitting systems. You eliminate the hassle and time necessary for handling multiple components and tools.

To complete a plumbing system for a four bedroom, three and a half bath house utilizing either PE-RT or PEX tubing will require approximately 100 connections.

Other connection systems require multiple components, tools and gauges for completion and verification. The SmartClick connection system requires no tools and makes a permanent and verifiable connection instantly. When you hear the click, you know the connection is complete and it is instantly verifiable through the sight glass. SmartClick™ is easy and five times faster.

EASY TO USE

The SmartClick™ connector for PE-RT and PEX tubing is easy to use. There are no other components or tools necessary.

There is no need to measure the insertion depth of the tube. Simply insert the tubing until you hear the click for a complete and permanent connection.

SmartClick™ is for use in potable water plumbing and hydronic systems utilizing PE-RT (ASTM F 2769) or PEX (ASTM 876/877). The fittings are third party certified by IAPMO to be ANSI/NSF 61, ANSI/NSF 14 and ASSE 1061 compliant.

SmartClick™ is patented.



PERMANENT AND RELIABLE

You know you have a completed connection ready for use when you hear the click.

No need to measure and mark. Just cut the PE-RT or PEX tube straight and even.

Insert the tube into the connector until you hear the click. The spring steel retention wedge holds the clamp open. The click you hear is the tube pushing the wedge out of the clamp.

You can see through the sight glass that the wedge has been displaced activating the clamp. The clamp then seals the tubing onto the two insert barb EPDM O-rings within the connector. SmartClick™ makes a permanent joint.

The spring steel clamp never yields, maintaining constant force even with pressure and temperature changes keeping the connector seal permanent.

The major body components of SmartClick™ are constructed of extremely resilient polyphenylsulfone (PPSU). PPSU is commonly used to manufacture plumbing product components and fittings. The clamp and wedge are made of spring steel. Before activated by the inserted tube, the retention wedge and clamp are one piece. The tube seals onto the insert barb when the spring steel clamp compresses around the the outside of the tube. The sight glass allows for a visual inspection by seeing the wedge removed from the clamp.



**Downstream
Thinking.**
It's all about Performance



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