

What is press fitting technology?

Press fitting technology is a mechanical, solder-less method of tube joining. No torches or solvents are required to make the permanent water-tight seal. This was pioneered by Viega and introduced in the United States in 1995.

What are the applications for Stainless Steel?

In 1912, an English chap named Harry Brearley was working on ways to reduce corrosion inside gun barrels, when he noticed one of his discarded samples was not rusting – this became the birth of Stainless Steel. This same durable, non-corrosive quality developed for guns at the turn of the century, is the same quality that makes stainless an ideal material for a variety of products today ranging from outdoor grills to jewelry.

At Viega, we started using stainless to make pipe, fittings and valves for industrial and manufacturing markets. Here is a partial listing of applications for Viega stainless products: Additives, Sludge, Aeration, Lube Oil, Slurry, Compressed Air, Mill Water, Soda Ash, Black Liquor, Nitrogen, Spray Water, Caustic, Paint Lines, Starch, Chilled Water, Plant Air, Stock, Plant Water, UREA, Condenser Water, Potable Water, Vacuum, Cooling Water, Process Air, Waste Water, DI Water, Process Waste, Dye, Process Water, R/O Water, Filter Water, Pump Seal Water and Green Liquor.

Who are the main users of stainless steel?

For Viega, it is definitely the industrial and manufacturing markets that need our pipe, fittings and valves. Viega has brought to market the press system and our own pipe so this will be a complete system for our customers.

How does Viega Stainless compare to the competition?

This new product will go head-to-head with threaded, welded and flanged fittings. Each of these techniques for making stainless connections requires a high degree of skill and is very time consuming. Viega ProPress system's ease of use will win over engineers and plumbers alike. Eliminating "down time" will result in tremendous cost savings for Viega customers.

What is the difference between 304 and 316 grades of stainless steel?

By definition, stainless steel is an iron-based alloy (a combination of different metals) that contains enough chromium to provide corrosion resistance. There are more than 150 grades of stainless steel, of which 15 are very common – 304 and 316 are included in this group. According to the American Iron and Steel Institute, 304 is the most common type of stainless steel and it contains nickel; 316 is used for food and medical uses and it contains nickel and molybdenum.

Why choose Stainless Steel?

There are many reasons stainless steel is popular in a variety of industries. It is a winner mainly because it is resistant to corrosion and staining, low maintenance and relatively low in cost. Viega mills Stainless Steel into tubing. This is a new

venture for Viega. In the past, the company has only manufactured and sold fittings and valves, but decided to also sell stainless steel pipe to create an entire system solution. Adding the pipe to Viega's product offerings will allow our customers to use the same press tool for stainless, they may already have been using with our copper products.

Can I use the same RIDGID press tool with Stainless?

This is the beauty of the Viega ProPress System – all metals work with one tool system. After the initial investment, this same tool can be used in a variety of plumbing and heating situations. The new V2 actuator and pressing rings can rotate a full 180° to join XL-S fittings. The swivel design increases flexibility in tight spaces and reduces actuator weight by 20% for increased comfort.

How long does it take to make a press connection?

It takes as little as five seconds to make a press connection – a little longer with larger fittings.

What are sealing elements?

Traditionally, these are called O-rings but at Viega we call them sealing elements and they go inside all of our fittings behind our Smart Connect feature. When our fittings are pressed together with tubing or piping, these sealing elements are closed inside the fitting. Viega manufactures different sealing elements for different applications. For example, HNBR sealing elements are yellow in color and are used only in our ProPress G pipe and fuel gas applications.

What is used to lubricate the sealing elements in ProPress fittings?

The seals are lubricated with an NSF 61 approved silicone oil. If it is necessary to lubricate the seals in the field, use water only. Do not use other lubricants. In particular, DO NOT use any petroleum-based lubricants (petroleum and EPDM are incompatible).

Does the ProPress System require the use of special valves?

No. Users can continue with their favorite valve line by using the threaded adapters or by stubbing-out the valves and then pressing on from there.

What is the warranty for ProPress?

Different products carry different warranties based on what types of products will be going through the tubing or piping. Learn more about ProPress Copper, ProPress Gas, ProPress Stainless or ProPress Marine warranties.

Can you turn a pressed fitting on the tube without damaging the integrity of the joint?

As a general rule of thumb, if the fitting needs to be turned less than 5°, this can be done (not by hand) and it will not affect the integrity of the joint. But if the fitting needs to be turned more than 5° it should be repressed to restore the

resistance to rotational movement. ProPress XL fittings are difficult to turn, but do not need to be repressed if moved slightly.

Smart Connect Feature

Never miss another connection - Viega fittings are designed to leak during the pressure testing process so you can quickly and easily identify unpressed connections.

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