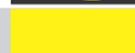




NORTH AMERICA

ProPress™ Introduction





100
JAHRE



- ❖ **Founded in 1899 in Attendorn Germany**
- ❖ **Original business was to make beer taps**
- ❖ **Evolved into a leading manufacturer of plumbing and heating systems for hydronics, chilled water and potable water to the extent that we manufacture over 12,000 SKU's at a rate of over 300 million fittings per year**
- ❖ **Involved in press technology for over 35 years and pioneered press technology for copper tubing in 1985**
- ❖ **In 1999 Viega partnered with The Ridge Tool Company to bring this technology to the U.S. market**



ProPress™



Compliances, certifications and listings:

- NSF 61 approved
- Listings by CSA and IAPMO as well as the U.L. listing for Fire Protection systems
- Compliant with both the Uniform Plumbing Code and the International Plumbing Code

ProPress™

Reliability:



New Orleans



100
JAHRE



**Contractor: Texas Drain
Technologies,**

Gary Gould President.

**Project: Renovation of Historic
Hotel – 12 stories, 254 rooms**

❖ ~2,000 lf of distribution pipe
(2-1/2" to 4" dia.) replaced using
the ProPress™ system...not even
1 leak when pressure testing!

viega

ProPress™

Schedule:



Contractor: O'Haver Plumbing

Project Manager: Maurice Fox

“With ProPress we were able to do 5 floors in 2 weeks with 4 men.”



ProPress™

Schedule:



100
JAHRE



Contractor: Hunton Trane

Field Supv: Art Filkins

**Scope: Renovate supply piping to
16 units**

“We originally allocated 8 days for the project using 4 men but with ProPress we were able to do it in 3 days with 2 men. Another advantage of ProPress was not having to use fire blankets in carpeted rooms that had furniture and expensive art work.”



ProPress™

Kappa House



100



**University
of
Arkansas**



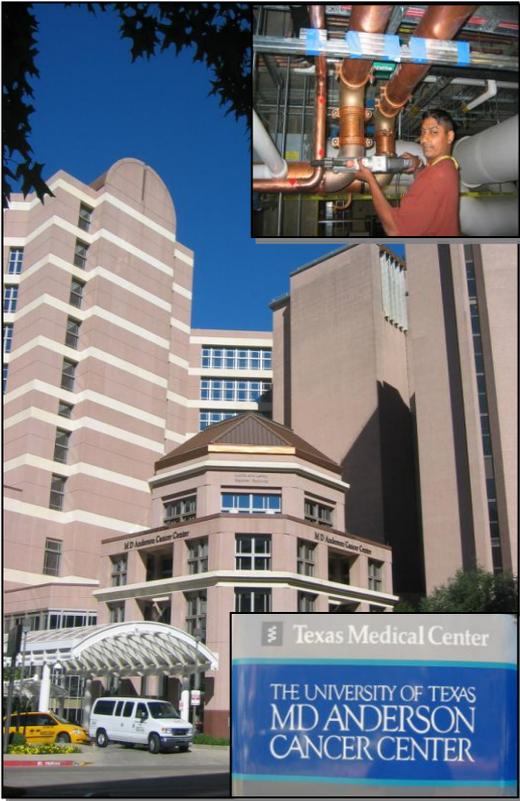
ProPress™

Flameless: No burn permits

No fire watch



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JAHRE



viega

ProPress™

Reasons to use ProPress:

- Reliability
- Schedule enhancement
- Maintains budget
- Flameless
- Connection can be made while wet



ProPress™

Connections in the presence of water:



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JAHRE



Installation Instructions



Installation



- ❏ Cut the copper tubing at right angles using a displacement type cutter or fine tooth saw

Installation



- 📖 Ream the tubing on the inside and deburr the outside (if necessary) to prevent cutting the fitting seal.

Installation



- Press the connection – this only takes 4-7 seconds for all sizes ½” to 4”. This can be done in conditions where the water is flowing as long as the pipe is fully inserted into the fitting socket.

Domestic Water Rating

- **Working pressure: 200 psig**
- **Test pressure: 600 psig**
- **Working temperature range: 0°-250° F**
- **Copper tubing types: K, L & M**
- **Soft copper up to 1-1/4" diameter**

ProPress Gas Fittings

CSA Approved Applications

Fuel gas in a vapor state **not** in the liquid state within 125 PSI Max and an ambient temperature range of -40°F to 150°F:

- Natural Gas
- Liquid Propane Gas
- Mixed Fuel Gases
- Manufactured Fuel Gas
- Butane

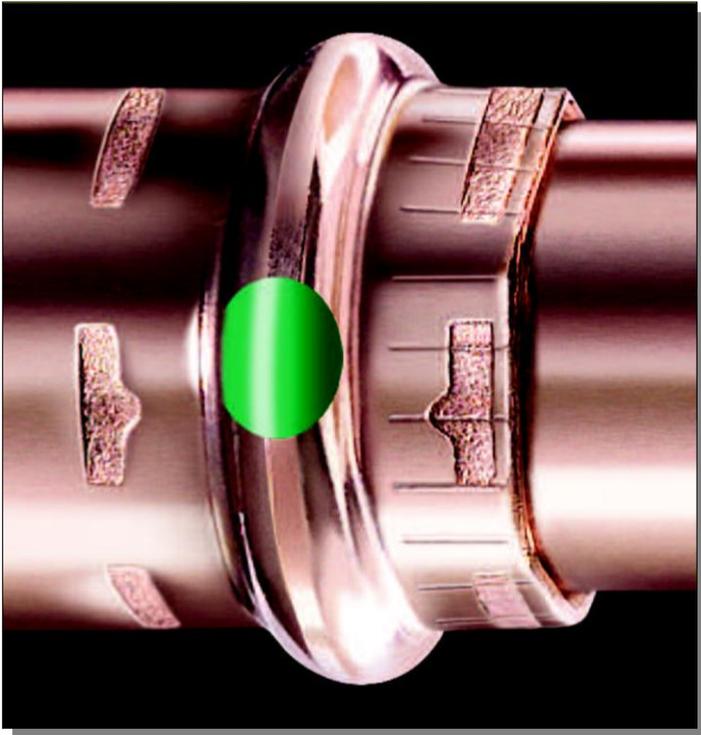


Other Approved Applications

- Fuel Oil Heating Systems
- Carbon Dioxide CO₂ (dry)
- Vacuum 20.2" Mercury
- Diesel Fuel
- Motor Oil

Press Type Fittings 2" and Smaller

SC Feature



Definition:

- ✚ The Smart Connect Feature is a special indentation on the inside surface of the fitting.
- ✚ The indentation allows liquids and/or gases to pass by the sealing element during pressure testing at pressure greater than 15 psig and less than 85 psig.
- ✚ The visible leakage and noticeable pressure drop tell the installer that the connection has not been pressed.
- ✚ The indentation is removed when pressed, creating a leak-free, permanent connection.

Press Type Fittings 2" and Smaller

The patented "Smart Connect" feature of ProPress makes this unnecessary!!

Look for these spots



Only ProPress® fittings offer the Smart Connect™ Feature

- Proven reliability
- Faster installation
- Added peace of mind

Viega fittings + RIDGID tools make it a ProPress System.

ProPress

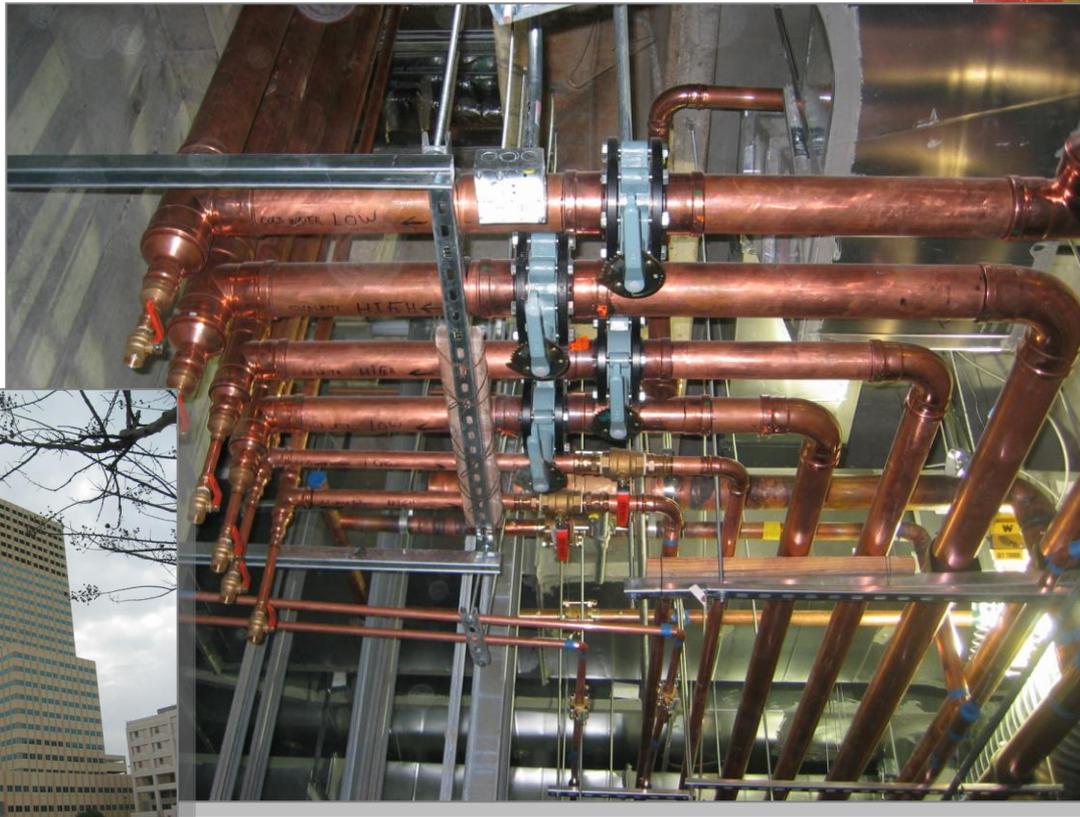


Applications for ProPress Fittings

New construction is great!

Memorial Hermann

Memorial City



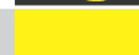
MEP: Smith Seckman Reid

Plumbing: Letsos

Mechanical: MLN

2008

viega



Applications for ProPress Fittings

Chilled water: 200 psig at 0 degrees F!



Applications for ProPress Fittings

Hot water and steam up to 250F!



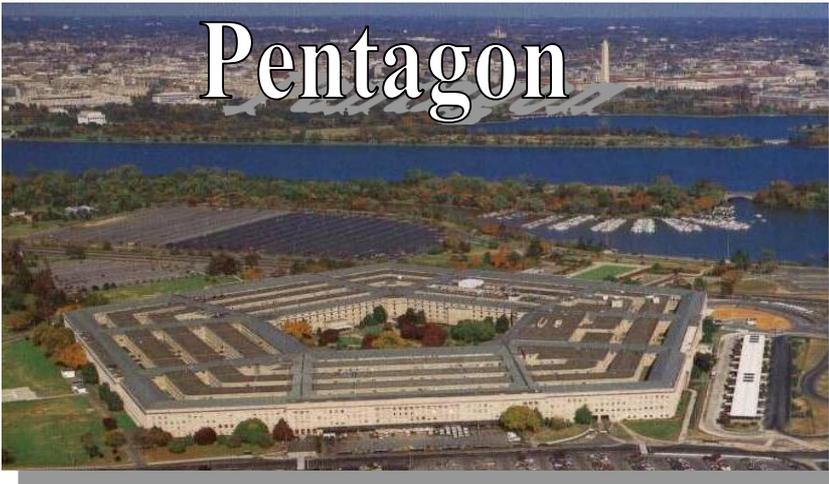
Applications for ProPress Fittings

Wet tie-in to existing system!



Applications for ProPress Fittings

Government



FBI Building, Houston, TX

Applications for ProPress Fittings

Schools



*Texas A&M
Galveston*

Applications for ProPress Fittings

Medical *The Memorial Hermann Hospital System*

Sugarland Replacement Hospital

Katy Replacement Hospital

**Medical Plaza Medical Office Bldg. &
Ambulatory Care**

Memorial City Hospital

NE Medical Center in Humble



Casinos



Hotels



Arenas



Toyota Center







PureFlow Fire Sprinklers – New Market for Viega!!!

■ Advantages:

- Same trusted Viega bronze material
- Resistant to corrosion and dezincification
- Attached sleeve for quick installation
- No assembly required
- Professional appearance
- Color coded rings for each dimension
- Coordinates with press tool handle colors



PureFlow Fire Sprinklers – New Market for Viega!!!



- Works in conjunction with ViegaPEX, ViegaPEX Ultra, FostaPEX and ViegaPEX Barrier tubing
- Increased size ranges: 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1¼" & 1½"
- New 5/16" press tool and fittings for ProRadiant

■ New Approved Application

- Approved for fire sprinkler according to NFPA 13D
- Special fittings for fire sprinkler applications
- Designed for combination system installations

PureFlow *Next Generation* PEX Press Fitting-Cont.



– **Locator rings**

- Positions the press in consistent location each time
- Specific color denotes size (i.e. $\frac{3}{4}$ " = blue)

– **Dimensions:**

- $\frac{5}{16}$ " thru $1 \frac{1}{2}$ "

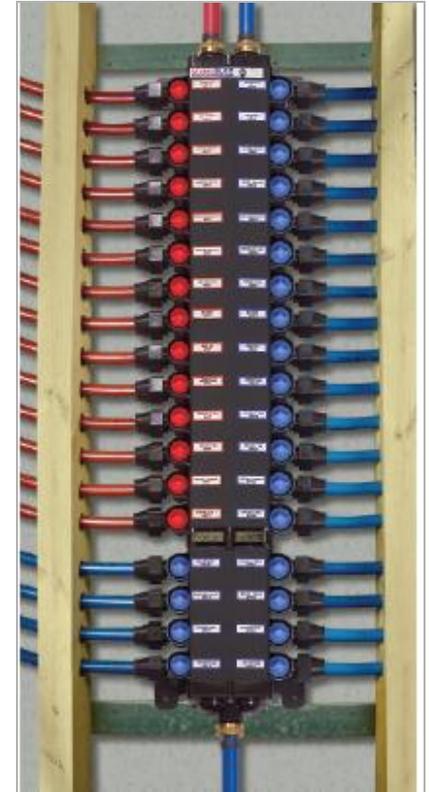
– Same tools can be used (hand & power)

- No additional investment required by contractor
- Industry proven and preferred design



Home Run

- ❖ 3/8" and/or 1/2" tubing home-run to each fixture.
- ❖ Central manifolds.
- ❖ Fewer fittings.
- ❖ Better pressure balance..



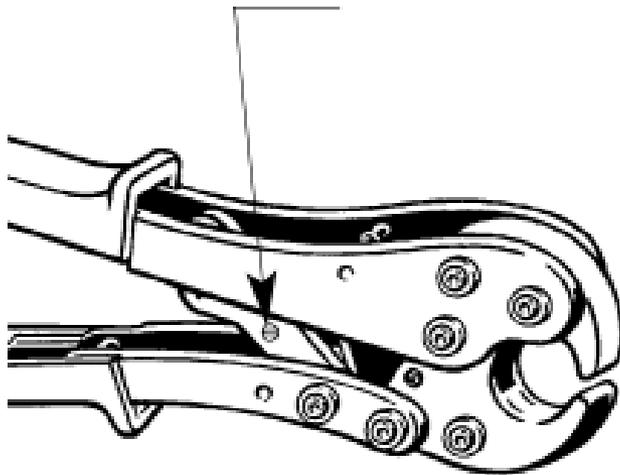
Combination System w/ Remote Manifolds

- ❖ **Smaller manifolds installed remotely**
- ❖ **Supplied with 3/4" or larger tubing**
- ❖ **Balanced flow and less pressure drop than using a tee fitting**
- ❖ **Copper and/or polymer manifolds..**



The PureFlow Bronze Press Connection

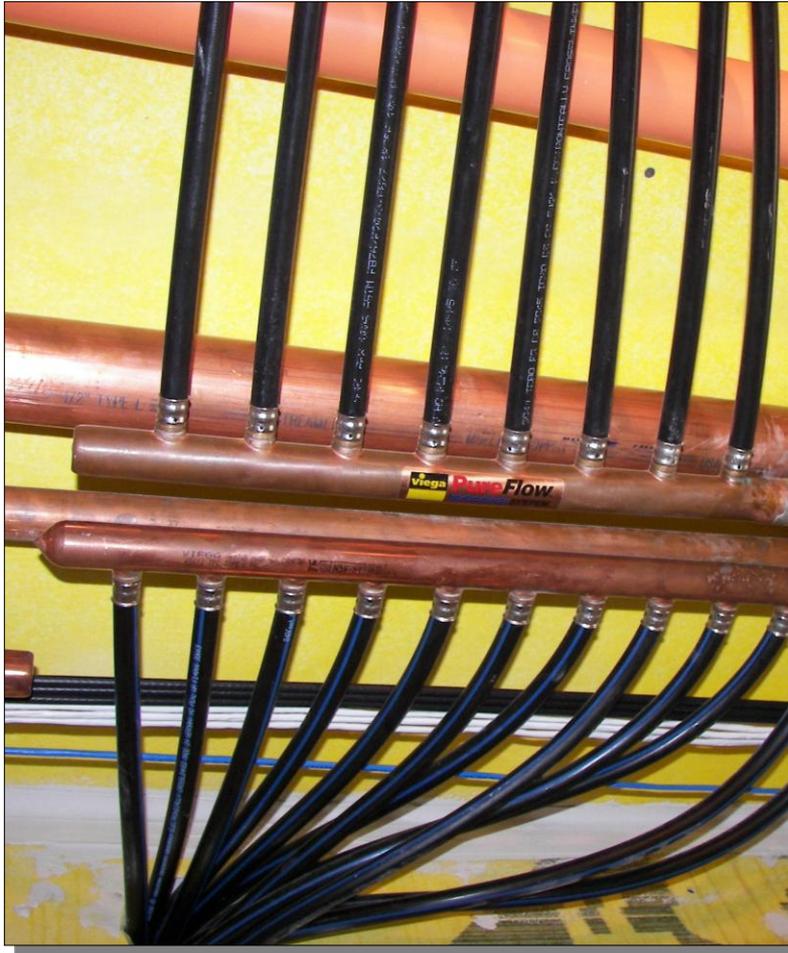
- ❖ **Fast and Safe Connection**
- ❖ **Bronze is highly resistant to aggressive water**
- ❖ **Maintenance free Tool**
- ❖ **Fail/Safe Tool**



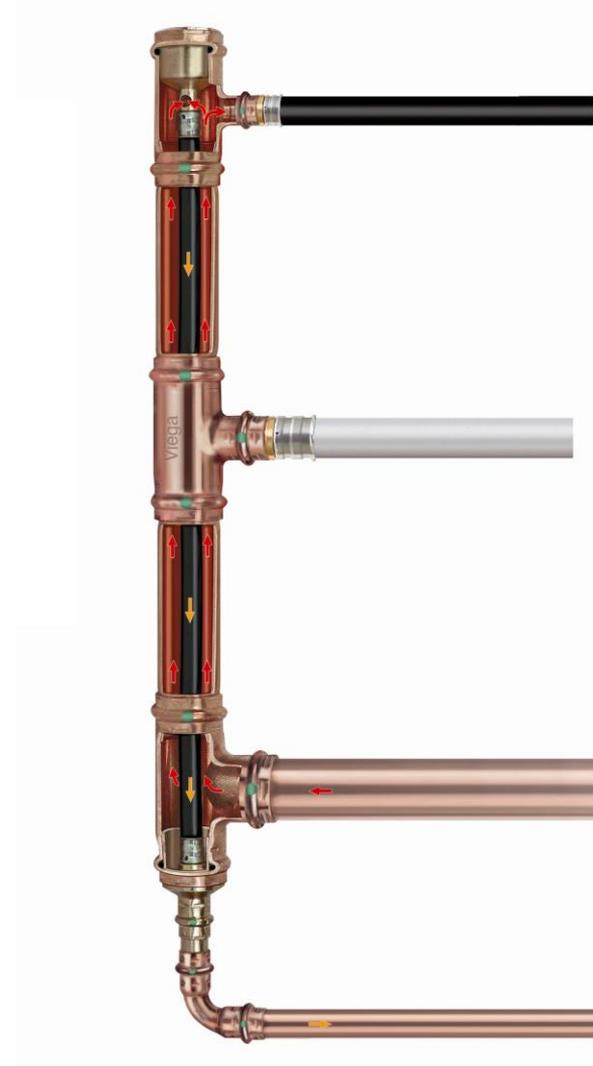
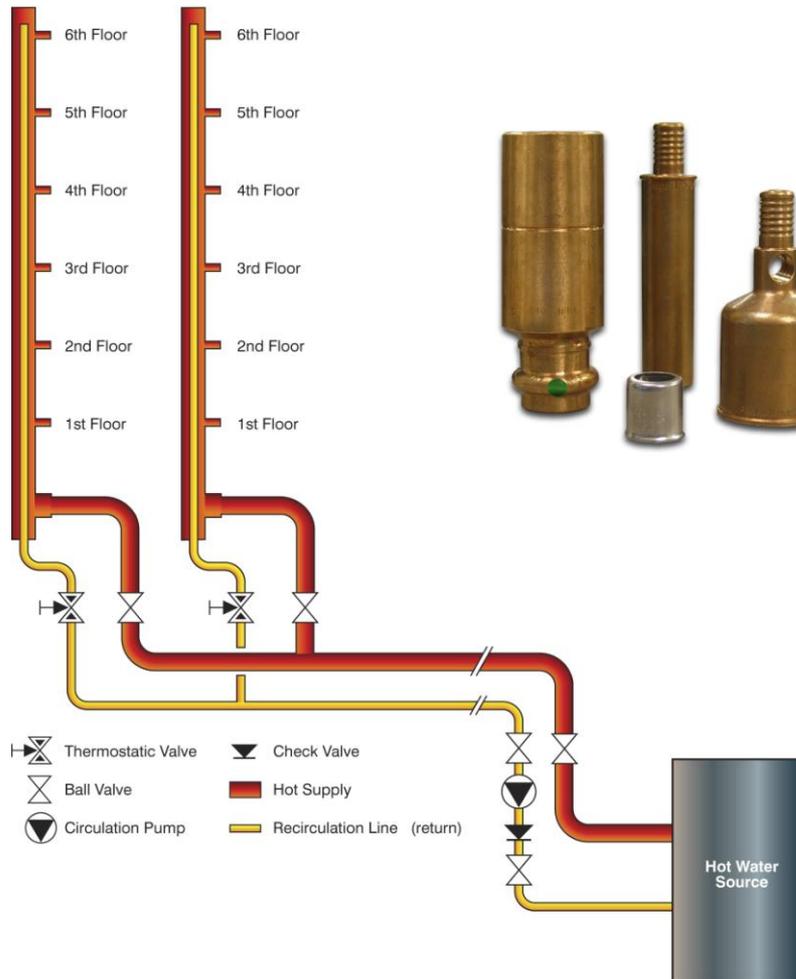
Hybrid Systems



Hybrid Systems



Internal Recirculation



Orange County Choppers World Headquarters



LEED Gold Certified



**Thank You MAG Building
Codes Commitee!**