

# Submittal Package

**viega**

## System Data Sheet

### System Description

Viega ProPress and Viega ProPress XL (copper) are safe, reliable, and economical copper pipe installation systems that use modern cold press connection technology for a wide assortment of more than 600 fittings in dimensions ranging from ½" to 4". ProPress utilizes an EPDM sealing element to provide permanent leak-proof connections. Tubing: K, L and M hard copper tubing from ½" to 4" and soft copper tubing in ½" to 1¼" diameters.

### Applications

All tubing must comply with the ASTM B88 standard. Viega ProPress fittings are approved for installations in both above - and below - ground applications. Per code, local inspector approval must be obtained prior to installation below ground.

### Operating Parameters

Operating Pressure: 200 psi Max.  
Test Pressure: 600 psi Max.  
Low-Pressure Steam: 15 psi Max.  
Vacuum: 29.2" Mercury Max. @ 68°F  
Operating Temperature: 0°F to 250°F

### Approved Applications

- Potable Water
- Hydronic Heating (w/ Glycol)
- Chilled Water
- Compressed Air (200 PSI max.)
- Non-medical Gases (140 PSI maximum)
- Fire Sprinkler (175 PSI maximum)
- Low Pressure Steam (15 PSI maximum)
- Vacuum (29.2" Mercury maximum @ 68°F)

### System Benefits

- Fast and Easy to Use
- Flameless
- Permanent Connections
- Large Selection of Fittings from ½" to 4"
- Consistent Professional Appearance
- Less Equipment Required
- Environmentally Friendly Connection System
- Versatility of Fittings and Tools for Variety of Applications

### Fittings

There are more than 600 Viega ProPress fittings including: Elbows, Couplings, Reducers, Tees, Reducing Tees, Threaded Adapters, Unions, Caps and Flanges. All threaded ½" - 2" fittings are bronze. Viega ProPress and Viega ProPress XL (copper) fittings conform to NSF 61 Annex G.

### Smart Connect Feature

The Smart Connect feature is a special indentation in the inside surface of the fitting near the sealing element. This indentation assures identification of leakage of liquids and/or gases from inside the system past the sealing element of an unpressed

connection. The indentation is removed during the pressing process creating a leakfree, permanent connection. This feature provides quick and easy identification of connections which have not been pressed prior to putting the system into operation.

### Tools

RIDGID offers pressing tools for connecting Viega ProPress fittings.

- RIDGID RP 200-B (½" to 1¼")
- RIDGID RP 210-B (½" to 1¼")
- RIDGID RP 330-B
- RIDGID RP 340-B
- RIDGID CT-400

### History

Viega ProPress has been used in Europe since the late 1980s and in the U.S. since the late 1990s for a variety of applications.

### Warranty

Viega ProPress products carry a 50-year warranty against defects in material and workmanship. ProPress valves carry a 2-year warranty against defects in material and workmanship.

### Listings and Certificates

- NSF 61G
- IAPMO PS117
- UL 213
- FM Class 1920
- ICC-ES PMG 1037
- CSA MSE-13
- ABS
- CRN OA4541.5

### International Listings and Certificates

- Deutsch Verein des Gas-und Wasserfachese.V. (DVGW)
- Lloyd's Register (LLOYD'S)
- Det Norske Veritas (DNV)
- Registro Italiano Navale (RINA)
- Bureau Veritas (BV)
- KIWA

### Compliant with:

- ICC International Plumbing Code
- IAPMO Uniform Plumbing Code
- PHCC National Standard Plumbing Code
- Florida Building Code, Volume II Plumbing Code
- NFPA 13, 13D and 13R
- ASME B16.51
- U.S. Coast Guard

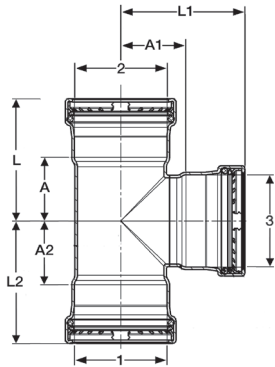
Contact your local Viega representative for details on local approvals

### For more information on RIDGID products, contact:

Ridge Tool Company  
400 Clark Street, Elyria, Ohio 44036  
Demos, Literature: 800-769-7743  
Technical inquiries: 800-519-3456  
Availability: 888-743-4333  
Web: www.ridgid.com

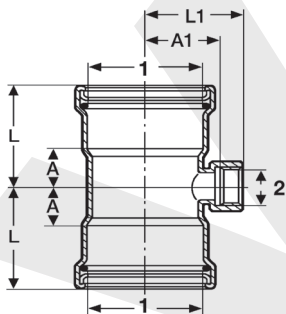
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Viega ProPress XL Tee Copper P x P x P - Model 0918XL (continued from previous page)

Stock Code	Size	A (in)	A1 (in)	A2 (in)	L (in)	L1 (in)	L2 (in)
	1 2 3						
20727	3" x 1½" x 3"	2.07	2.15	3.71	4.04	4.11	5.14
20732	3" x 2" x 2"	1.56	2.00	2.34	3.52	3.59	3.92
20734	3" x 2" x 2½"	1.85	2.15	2.63	3.82	3.85	4.21
20739	3" x 2" x 3"	2.07	2.15	2.85	4.04	4.11	4.43
20744	3" x 2½" x 2"	1.56	2.03	2.07	3.52	3.61	3.76
20749	3" x 2½" x 2½"	1.85	2.15	2.36	3.82	3.85	4.06
20754	3" x 2½" x 3"	2.07	2.15	2.58	4.04	4.11	4.27
20759	3" x 3" x ½"	0.93	1.76	0.93	2.89	2.50	2.89
22323	3" x 3" x ¾"	0.93	1.80	0.93	2.89	2.71	2.89
22308	3" x 3" x 1"	1.06	2.02	1.06	3.03	2.92	3.03
22313	3" x 3" x 1¼"	1.18	2.01	1.18	3.15	3.04	3.15
20798	3" x 3" x 1½"	1.32	2.03	1.32	3.29	5.02	3.29
20698	3" x 3" x 2"	1.56	2.00	1.56	3.52	3.59	3.52
20703	3" x 3" x 2½"	1.85	2.15	1.85	3.82	3.85	3.82
20693	3" x 3" x 3"	2.07	2.21	2.07	4.04	4.18	4.04
20774	4" x 3" x 2"	1.59	2.57	3.33	3.96	4.15	5.30
20784	4" x 3" x 3"	2.11	2.66	3.84	4.47	4.63	5.81
20788	4" x 4" x ½"	1.08	2.24	1.08	3.45	2.99	3.45
20793	4" x 4" x ¾"	1.08	2.32	1.08	3.45	3.22	3.45
20794	4" x 4" x 1"	1.36	2.52	1.36	3.72	3.42	3.72
20795	4" x 4" x 1¼"	1.36	2.50	1.36	3.72	3.54	3.72
20808	4" x 4" x 1½"	1.36	2.52	1.36	3.72	3.95	3.72
20713	4" x 4" x 2"	1.59	2.53	1.59	3.96	4.11	3.96
20718	4" x 4" x 2½"	1.89	2.65	1.89	4.25	4.35	4.25
20723	4" x 4" x 3"	2.11	2.69	2.11	4.47	4.65	4.47
20708	4" x 4" x 4"	2.60	2.72	2.60	4.96	5.09	4.96



Viega ProPress XL Tee Copper P x P x FPT - Model 0917.2XL

Stock Code	Size	A (in)	A1 (in)	L (in)	L1 (in)
	1 2				
20883	2½" x ¾" FPT	1.02	1.78	2.72	2.34
20878	2½" x 2" FPT	1.54	1.90	3.23	2.60
20893	3" x ¾" FPT	1.04	2.03	3.01	2.59
20888	3" x 2" FPT	1.56	2.16	3.52	2.85
20873	4" x ¾" FPT	1.08	2.53	3.34	3.09
20868	4" x 2" FPT	1.59	2.69	3.96	3.38

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## Viega LLC Limited Warranty ProPress Fittings And Valves

Subject to the conditions and limitations in this Limited Warranty, Viega LLC (Viega) warrants to wholesalers and licensed plumbing and mechanical contractors in the United States and Canada that its ProPress fittings, when properly installed in non industrial and non marine applications and under normal conditions of use, will be free of failure from manufacturing defect for a period of fifty (50) years from date of installation and that its ProPress valves, when properly installed in non industrial and non marine applications and under normal conditions of use, will be free of failure from manufacturing defect for a period of two (2) years from date of installation.

Under this Limited Warranty you only have a right to a remedy if the failure or leak resulted from a manufacturing defect in the products covered by this warranty and the failure or leak occurred during the warranty period. You do not have a remedy under this warranty and the warranty does not apply if the failure or any resulting damage is caused by (1) components other than those manufactured or sold by Viega; (2) not designing, installing, inspecting, or testing the ProPress fittings or valves in accordance with Viega's installation instructions in effect at the time of the installation; applicable code requirements; and accepted industry practice; (3) improper handling and protection of the product prior to and during installation, inadequate freeze protection, exposure to water pressures or temperatures or in applications outside acceptable operating conditions; (4) acts of nature such as, but not limited to, earthquakes, fire, flood, or lightning, or (5) external environmental causes, such as water quality variations, aggressive water, or other external chemical or physical conditions.

In the event of a leak or other failure of the parts covered by this warranty, it is the responsibility of the property owner to obtain and pay for repairs. Only if the warranty applies will Viega be responsible for the remedy under this warranty. The part or parts which you claim failed should be kept and Viega contacted by writing to the address below or telephoning 1-877-843-4262 within thirty (30) days after the leak or other failure and identifying yourself as having a warranty claim. You should be prepared to ship, at your expense, the product which you failed due to a manufacturing defect and document the date of installation. Within a reasonable time after receiving the product, Viega will investigate the reasons for the failure, which includes the right to inspect the product at Viega. Viega will notify you in writing of the results of its review.

In the event that Viega determines that the failure or leak was the result of a manufacturing defect in the part covered by this warranty and that this warranty applies, the EXCLUSIVE AND ONLY REMEDY under this warranty shall be the reimbursement for repair and/or replacement of the part. VIEGA SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OF OTHER DAMAGE (FOR EXAMPLE, WATER OR PROPERTY OR MOLD REMEDIATION) UNDER ANY LEGAL THEORY AND WHETHER ASSERTED BY DIRECT ACTION, FOR CONTRIBUTION OR INDEMNITY OR OTHERWISE.

THE ABOVE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. If a limited warranty shall be found to apply, such warranty is limited to four years. Other than this Limited Warranty, Viega does not authorize any person or firm to create for it any other obligation or liability in connection with its products.

This Limited Warranty gives you specific legal rights and you also may have other rights which may vary from state to state. This warranty shall be interpreted and applied under the law of the state in which the product is installed and is intended as a Commercial Warranty.

ProPress Warranty 0408

\*Zero Lead identifies Viega® products meeting the lead free requirements of NSF 61-G through testing under NSF/ANSI 372 (0.25% or less maximum weighted average lead content).

This document subject to updates. For the most current Viega technical literature please visit [www.viega.us](http://www.viega.us)  
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