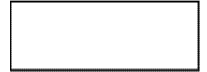


# Submittal Package

**viega**



## Viega MegaPress and MegaPressG Fitting System

- ☐ Chilled Water
- ☐ Hydronic Heating
- ☐ Fire Protection
- ☐ Low Pressure Steam
- ☐ Heating Fuel Oil
- ☐ Natural Gas
- ☐ Compressed Air

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## System Data Sheet

### System Description

Viega MegaPress and MegaPressG are safe, reliable, and economical steel pipe installation systems that use modern cold press connection technology for a wide assortment of more than 200 fittings in dimensions ranging from 1/2" to 2".

Pipe: Schedule 5 to schedule 40 Black steel pipe from 1/2" to 2" for Viega MegaPress. Schedule 40 black pipe for Viega MegaPressG.

Viega Smart Connect feature: By means of the Smart Connect feature on Viega MegaPress Systems fittings, an unpressed connection can be recognized by escaping water, or by a drop in pressure, when testing the system. Fitting connections without the Smart Connect feature may not leak initially; however, later they can unseat during system operations. When the fitting is pressed, the Smart Connect feature is reformed and a permanent, sealed, non-detachable, mechanical connection is created. Other systems without the Smart Connect feature may not leak initially; however, later they can unseat in future system operations. The Smart Connect feature is designed to protect from the potential risk of unpressed fittings.

### Applications

All piping must comply with the ASTM A53, A195 and A795 standards. Viega MegaPress and MegaPressG 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 Temperatures:

Viega MegaPress: 0°F - 250°F  
Viega MegaPressG: -40°F - 180°F

### Approved Applications:

- Hydronic heat
- Chilled water
- Compressed Air
- Non Medical Gases
- Fire Sprinkler
- Low Pressure Steam
- Vacuum
- Natural Gas
- LP Gas
- Fuel Oil

### System Benefits

- Fast and Easy to Use
- Flameless
- Permanent Connections
- Wide Capacity from 1/2" to 2"
- Large Selection of Fittings
- Consistent Professional Appearance
- Less Equipment Required
- Environmentally Friendly Connection System
- Versatility of Fittings and Tools for Variety of Applications

### Fittings

Viega MegaPress and MegaPressG fittings are offered in 200+ configurations including: Elbows, Couplings, Reducers, Tees, Reducing Tees, Threaded Adapters and Unions.

### Tools

RIDGID offers pressing tools for connecting MegaPress fittings.

- 330-C Corded Tool (1/2" to 2")
- 330-B Battery powered Tool (1/2" to 2")
- 320-E
- 400-E
- 1/2" to 4" fittings are pressed in 4-7 sec.

### RIDGID Pressing Tools

| Model              | 330C   | 330B          |
|--------------------|--------|---------------|
| Volts              | 120v   | 14.4v Battery |
| Amps               | 5.2A   | 27.2A         |
| Weight (w/out jaw) | 9 lbs. | 10 lbs.       |

### History

Press technology has been used in Europe since the late 1980s and in the U.S. since the late 1990s for a variety of applications. Backed by two plumbing leaders with over 175 years of combined excellence.

### Approvals and Certificates

#### CSA LC 4

#### TSSA/ASME B31

#### Compliant with

- ICC International Plumbing Code
- ICC International Mechanical Code
- UPC Uniform Plumbing Code
- UMC Uniform Mechanical Code
- International Fuel Gas Code
- NFPA 13, 13D, 13R, 31, 54 and 58
- ASME B31

*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](http://www.ridgid.com)

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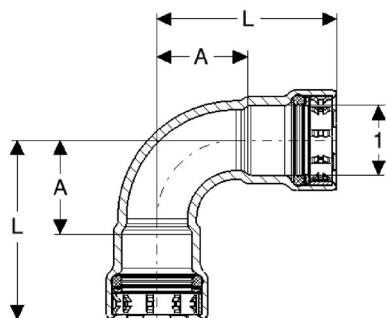
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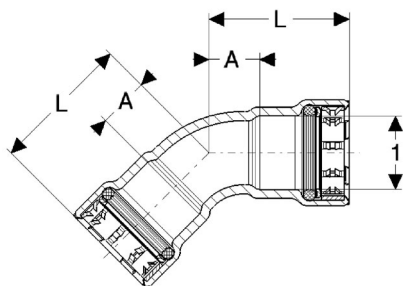
## Dimensional Documentation

**Steel Elbow 90° P x P**



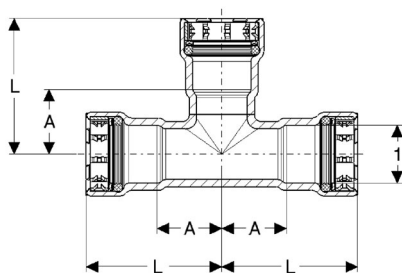
| MODEL - 4816 | MODEL - 6616 | Size   | A (in) | L (in) |
|--------------|--------------|--------|--------|--------|
| MegaPress    | MegaPressG   |        |        |        |
| Stock Code   | Stock Code   | 1      |        |        |
| 25200        | 25201        | 1/2"   | 1 1/8  | 2 1/4  |
| 25205        | 25206        | 3/4"   | 1 3/8  | 2 1/2  |
| 25210        | 25211        | 1"     | 1 3/4  | 3 1/8  |
| 25215        | 25216        | 1-1/4" | 2      | 3 7/8  |
| 25220        | 25221        | 1-1/2" | 2 1/4  | 4 1/8  |
| 25225        | 25226        | 2"     | 2 3/4  | 4 3/4  |

**Steel Elbow 45° P x P**



| MODEL - 4826 | MODEL - 6626 | Size   | A (in) | L (in) |
|--------------|--------------|--------|--------|--------|
| MegaPress    | MegaPressG   |        |        |        |
| Stock Code   | Stock Code   | 1      |        |        |
| 25230        | 25231        | 1/2"   | 5/8    | 1 5/8  |
| 25235        | 25236        | 3/4"   | 3/4    | 1 7/8  |
| 25240        | 25241        | 1"     | 7/8    | 2 1/4  |
| 25245        | 25246        | 1-1/4" | 1      | 2 3/4  |
| 25250        | 25251        | 1-1/2" | 1 1/8  | 3      |
| 25255        | 25256        | 2"     | 1 3/8  | 3 1/4  |

**Steel Tee P x P x P**



| MODEL - 4818 | MODEL - 6618 | Size   | A (in) | L (in) |
|--------------|--------------|--------|--------|--------|
| MegaPress    | MegaPressG   |        |        |        |
| Stock Code   | Stock Code   | 1      |        |        |
| 25300        | 25301        | 1/2"   | 1      | 2      |
| 25305        | 25306        | 3/4"   | 1 1/8  | 2 1/4  |
| 25310        | 25311        | 1"     | 1 1/4  | 2 5/8  |
| 25315        | 25316        | 1-1/4" | 1 3/8  | 3 1/4  |
| 25320        | 25321        | 1-1/2" | 1 5/8  | 3 1/2  |
| 25325        | 25326        | 2"     | 1 3/4  | 3 3/4  |

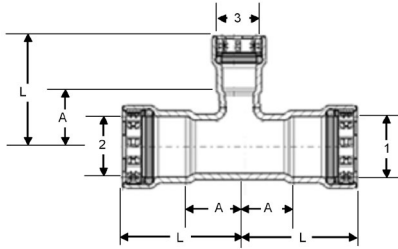
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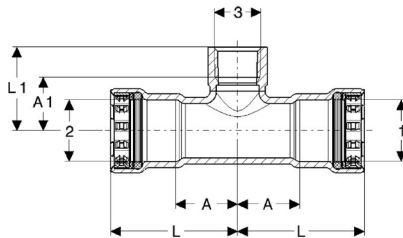
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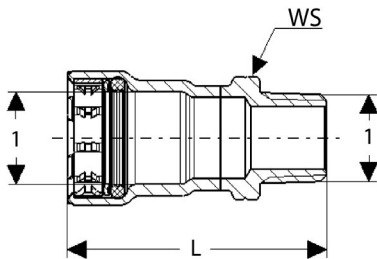
**Steel Reducing Tee P x P x P**

| MODEL - 4818 | MODEL - 6618 | Size                     |   |   | A (in) | A1 (in) | L (in) | L1 (in) |
|--------------|--------------|--------------------------|---|---|--------|---------|--------|---------|
| MegaPress    | MegaPressG   |                          |   |   |        |         |        |         |
| Stock Code   | Stock Code   | 1                        | 2 | 3 |        |         |        |         |
| 25330        | 25331        | 3/4" x 3/4" x 1/2"       |   |   | 1 1/8  | 1 1/8   | 2 1/4  | 2 1/8   |
| 25335        | 25336        | 1" x 1" x 1/2"           |   |   | 1 1/4  | 1 1/4   | 2 5/8  | 2 1/4   |
| 25340        | 25341        | 1" x 1" x 3/4"           |   |   | 1 1/4  | 1 1/4   | 2 5/8  | 2 3/8   |
| 25360        | 25361        | 1-1/2" x 1-1/2" x 1/2"   |   |   | 1 5/8  | 1 1/2   | 3 1/2  | 2 1/2   |
| 25365        | 25366        | 1-1/2" x 1-1/2" x 3/4"   |   |   | 1 5/8  | 1 1/2   | 3 1/2  | 2 5/8   |
| 25370        | 25371        | 1-1/2" x 1-1/2" x 1"     |   |   | 1 5/8  | 1 1/2   | 3 1/2  | 2 7/8   |
| 25375        | 25376        | 1-1/2" x 1-1/2" x 1-1/4" |   |   | 1 5/8  | 1 1/2   | 3 1/2  | 3 3/8   |
| 25380        | 25381        | 2" x 2" x 1/2"           |   |   | 1 3/4  | 1 3/4   | 3 3/4  | 2 7/8   |
| 25385        | 25386        | 2" x 2" x 3/4"           |   |   | 1 3/4  | 1 3/4   | 3 3/4  | 3       |
| 25390        | 25391        | 2" x 2" x 1"             |   |   | 1 3/4  | 1 3/4   | 3 3/4  | 3 1/8   |
| 25395        | 25396        | 2" x 2" x 1-1/4"         |   |   | 1 3/4  | 1 3/4   | 3 3/4  | 3 5/8   |
| 25400        | 25401        | 2" x 2" x 1-1/2"         |   |   | 1 3/4  | 1 7/8   | 3 3/4  | 3 3/4   |



**Steel Reducing Tee P x P x F NPT**

| MODEL - 48172 | MODEL - 66172 | Size                   |   |   | A (in) | A1 (in) | L (in) | L1 (in) |
|---------------|---------------|------------------------|---|---|--------|---------|--------|---------|
| MegaPress     | MegaPressG    |                        |   |   |        |         |        |         |
| Stock Code    | Stock Code    | 1                      | 2 | 3 |        |         |        |         |
| 25405         | 25406         | 3/4" x 3/4" x 1/2"     |   |   | 1 1/8  | 1       | 2 1/4  | 1 1/2   |
| 25410         | 25411         | 1" x 1" x 1/2"         |   |   | 1 1/4  | 1 1/8   | 2 5/8  | 1 5/8   |
| 25415         | 25416         | 1" x 1" x 3/4"         |   |   | 1 1/4  | 1 1/8   | 2 5/8  | 1 5/8   |
| 25435         | 25436         | 1-1/2" x 1-1/2" x 1/2" |   |   | 1 5/8  | 1 3/8   | 3 1/2  | 1 7/8   |
| 25440         | 25441         | 1-1/2" x 1-1/2" x 3/4" |   |   | 1 5/8  | 1 3/8   | 3 1/2  | 1 7/8   |
| 25455         | 25456         | 2" x 2" x 1/2"         |   |   | 1 3/4  | 1 5/8   | 3 3/4  | 2 1/8   |
| 25460         | 25461         | 2" x 2" x 3/4"         |   |   | 1 3/4  | 1 5/8   | 3 3/4  | 2 2/8   |



**Steel Adapter P x M NPT**

| MODEL - 4811 | MODEL - 6611 | Size   | L (in) | WS (in) |
|--------------|--------------|--------|--------|---------|
| MegaPress    | MegaPressG   |        |        |         |
| Stock Code   | Stock Code   | 1      |        |         |
| 25100        | 25101        | 1/2"   | 2 1/2  | 1 1/8   |
| 25105        | 25106        | 3/4"   | 2 5/8  | 1 1/4   |
| 25110        | 25111        | 1"     | 2 7/8  | 1 5/8   |
| 25115        | 25116        | 1-1/4" | 3 5/8  | 1 3/4   |
| 25120        | 25121        | 1-1/2" | 3 3/4  | 2 1/8   |
| 25125        | 25126        | 2"     | 3 7/8  | 2 3/4   |

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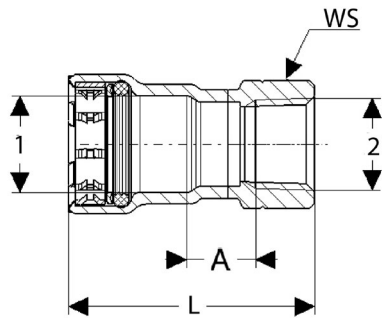
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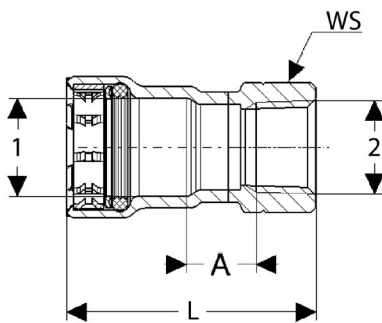


## Steel Adapter P x F NPT



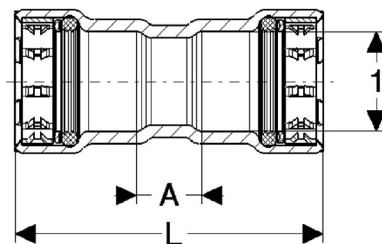
| MODEL - 4812 | MODEL - 6612 | Size   | A (in) | L (in) | WS (in) |
|--------------|--------------|--------|--------|--------|---------|
| MegaPress    | MegaPressG   |        |        |        |         |
| Stock Code   | Stock Code   | 1 2    |        |        |         |
| 25130        | 25131        | 1/2"   | 5/8    | 2 1/4  | 1 1/8   |
| 25135        | 25136        | 3/4"   | 5/8    | 2 3/8  | 1 1/4   |
| 25140        | 25141        | 1"     | 5/8    | 2 5/8  | 1 5/8   |
| 25145        | 25146        | 1-1/4" | 3/4    | 3 1/4  | 1 3/4   |
| 25150        | 25151        | 1-1/2" | 3/4    | 3 3/8  | 2 1/8   |
| 25155        | 25156        | 2"     | 3/4    | 3 3/8  | 2 3/4   |

## Steel Adapter Reducing P x F NPT



| MODEL - 4812 | MODEL - 6612 | Size            | A (in) | L (in) | WS (in) |
|--------------|--------------|-----------------|--------|--------|---------|
| MegaPress    | MegaPressG   |                 |        |        |         |
| Stock Code   | Stock Code   | 1 2             |        |        |         |
| 25575        | 25576        | 3/4" x 1/2"     | 5/8    | 2 3/8  | 1 1/8   |
| 25585        | 25586        | 1" x 3/4"       | 3/4    | 2 5/8  | 1 1/4   |
| 25600        | 25601        | 1-1/4" x 1"     | 3/4    | 3 1/4  | 1 5/8   |
| 25620        | 25621        | 1-1/2" x 1-1/4" | 7/8    | 3 3/8  | 1 3/4   |
| 25645        | 25646        | 2" x 1-1/2"     | 3/4    | 3 3/8  | 2 1/8   |

## Steel Coupling P x P With Stop



| MODEL - 4815 | MODEL - 6815 | Size   | A (in) | L (in) |
|--------------|--------------|--------|--------|--------|
| MegaPress    | MegaPressG   |        |        |        |
| Stock Code   | Stock Code   | 1      |        |        |
| 25000        | 25001        | 1/2"   | 5/8    | 2 3/4  |
| 22005        | 22009        | 3/4"   | 5/8    | 3      |
| 25010        | 25011        | 1"     | 5/8    | 3 1/4  |
| 25015        | 25016        | 1-1/4" | 3/4    | 4 3/8  |
| 25020        | 25021        | 1-1/2" | 1      | 4 5/8  |
| 25025        | 25026        | 2"     | 3/4    | 4 3/4  |

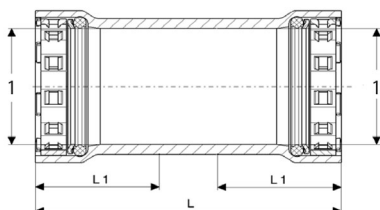
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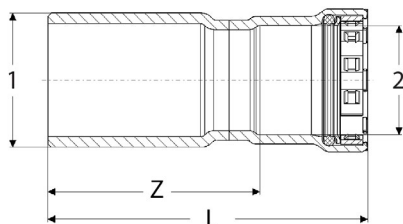
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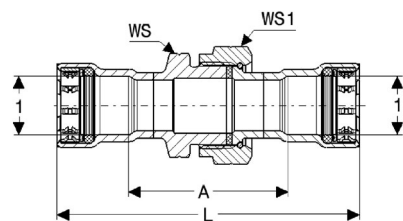
**Steel Coupling P x P No Stop**

| MODEL - 48155 | MODEL - 66155 | Size   | L (in)  | L 1 (in) |
|---------------|---------------|--------|---------|----------|
| MegaPress     | MegaPressG    |        |         |          |
| Stock Code    | Stock Code    | 1      |         |          |
| 25030         | 25031         | 1/2"   | 2 11/16 | 1 1/16   |
| 25035         | 25036         | 3/4"   | 2 15/16 | 1 3/16   |
| 25040         | 25041         | 1"     | 3 5/16  | 1 3/8    |
| 25045         | 25046         | 1-1/4" | 4 3/8   | 1 13/16  |
| 25050         | 25051         | 1-1/2" | 4 11/16 | 1 7/8    |
| 25055         | 25056         | 2"     | 4 3/4   | 1 15/16  |



**Steel Reducer FTG x P**

| MODEL - 48151 | MODEL - 66151 | Size            | Z (in) | L (in) |
|---------------|---------------|-----------------|--------|--------|
| MegaPress     | MegaPressG    |                 |        |        |
| Stock Code    | Stock Code    | 1 2             |        |        |
| 26000         | 26001         | 3/4" x 1/2"     | 1.890  | 2.961  |
| 26005         | 26006         | 1" x 1/2"       | 2.177  | 3.248  |
| 26010         | 26011         | 1" x 3/4"       | 2.110  | 3.268  |
| 26015         | 26016         | 1-1/4" x 1"     | 2.650  | 3.996  |
| 26020         | 26021         | 1-1/2" x 3/4"   | 3.004  | 4.161  |
| 26025         | 26026         | 1-1/2" x 1"     | 2.827  | 4.173  |
| 26030         | 26031         | 1-1/2" x 1-1/4" | 2.728  | 4.547  |
| 26035         | 26036         | 2" x 1"         | 3.161  | 4.508  |
| 26040         | 26041         | 2" x 1-1/4"     | 3.063  | 4.882  |
| 26045         | 26046         | 2" x 1-1/2"     | 3.012  | 4.882  |



**Steel Union P x P**

| MODEL - 4860 | MODEL - 6660 | Size   | A (in) | L (in) | WS (in) | WS1 (in) |
|--------------|--------------|--------|--------|--------|---------|----------|
| MegaPress    | MegaPressG   |        |        |        |         |          |
| Stock Code   | Stock Code   | 1      |        |        |         |          |
| 25700        | 25701        | 1/2"   | 2 3/8  | 4 1/2  | 1 3/8   | 1 5/8    |
| 25705        | 25706        | 3/4"   | 2 3/4  | 5      | 1 3/4   | 2        |
| 25710        | 25711        | 1"     | 2 5/8  | 5 3/8  | 2       | 2 1/8    |
| 25715        | 25716        | 1-1/4" | 2 7/8  | 6 1/2  | 2       | 2 1/8    |
| 25720        | 25721        | 1-1/2" | 3      | 6 3/4  | 2 1/2   | 2 3/4    |
| 25725        | 25726        | 2"     | 3 1/4  | 7 1/8  | 3 1/8   | 3 3/8    |

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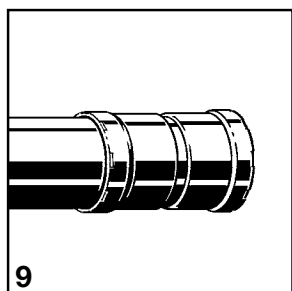
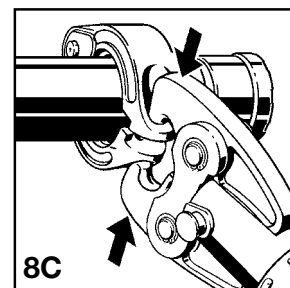
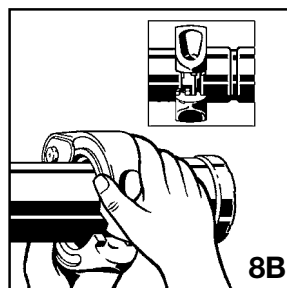
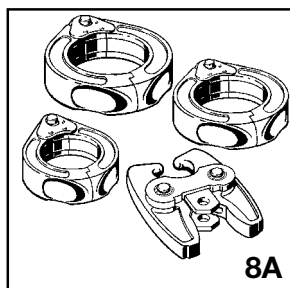
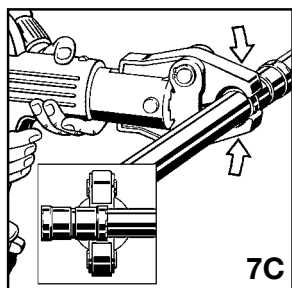
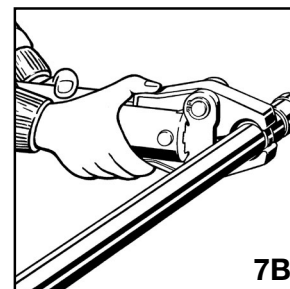
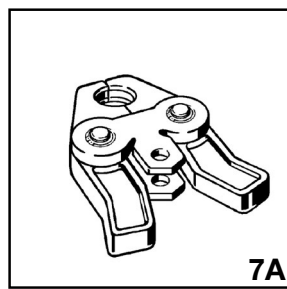
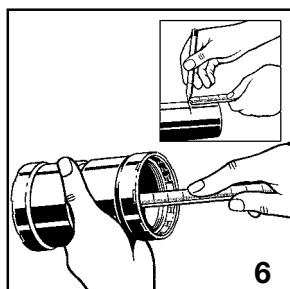
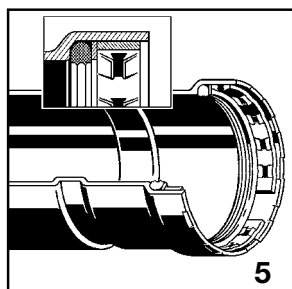
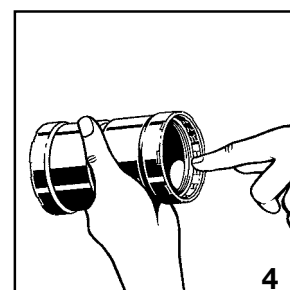
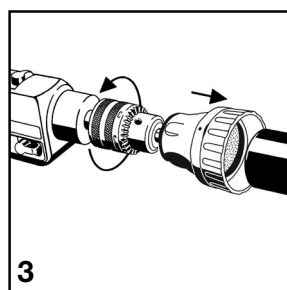
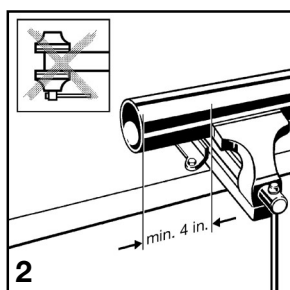
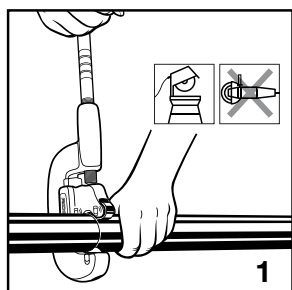
**viega**

## Product Instructions



Read and understand all instructions for installing Viega MegaPress and MegaPressG fittings. Failure to follow all instructions may result in extensive property damage, serious injury, or death.

Note: Tubing shall be free of surface imperfections.



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## Viega MegaPress and MegaPressG Fitting Systems

Viega MegaPress and MegaPressG is a carbon steel, cold press system designed for use in chilled water, hydronic heating, compressed air, fire sprinkler, fuel gas and heating oil applications.

Viega MegaPress fittings are designed for use in piping systems utilizing ASTM A53, A135 and A795 schedule 5 – schedule 40 black steel pipe.

Viega MegaPressG fittings are designed for use in fuel gas or fuel oil systems with ASTM A53 schedule 40 black pipe.

Standards:

- CSA LC4
- TSSA / ASME B31

Compliant with:

- Uniform Plumbing Code
- Uniform Mechanical Code
- International Plumbing Code
- International Mechanical Code
- NFPA 54
- NFPA 58
- International Fuel Gas Code
- ASME B31
- NFPA 13, 13D and 13R

Viega MegaPress and MegaPressG fittings are available in the following fitting configurations in size 1/2" – 2".

- P x P Coupling
- P x P No-stop coupling
- P x IPF NPT adapters
- P x IPF NPT Reducing adapter
- FTG x P Reducer
- P x IPM NPT adapter
- P x P 90° Elbow
- P x P 45° Elbow
- P x P x P Tee
- P x P x P Reducing Tee
- P x P x IPF NPT Tee
- P x P Union

Viega MegaPress fittings are provided with a factory installed EPDM sealing element, a 304 stainless steel separator ring and a 420 stainless steel grip ring approved for use in hydronic heating, compressed air, fire sprinkler and cooling water applications.



Viega MegaPressG fittings are provided with a factory installed HNBR sealing element, a 304 stainless steel separator ring and a 420 stainless steel grip ring and are CSA LC4 approved for fuel oil and fuel gas installations.

All Viega MegaPress and MegaPressG fittings are constructed with the patented Smart Connect feature. The Smart Connect feature is a quick and easy way for installers to identify connections that need pressing. Testing for leaks using the Smart Connect feature is not a replacement for testing to the requirements of local codes or standards.

### Operating Temperatures:

Viega MegaPress Max.: 250°F

Viega MegaPressG Max.: -40 to 180°F

Viega MegaPress and MegaPressG systems are approved for underground use and must be protected against corrosion in accordance with NFPA 54 section 404.8, NACE Standard RP0169-2002 section 5, 2009 UPC Chapter 6 section 609.3.1, 2009 UMC Chapter 13 section 1312.1.3 and in a manner satisfactory to the local code official.

### Recommended Tools:

- Ridgid 320E
- Ridgid 400E
- Ridgid MegaPress Pipe Prep Tool

Contact a local Viega representative for applications other than listed on this document.

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