

System Data

Viega MegaPress® CuNi Fittings



MegaPress CuNi is an IPS cold press fitting system made of a non-corrosive copper-nickel wrought alloy that provides an economical and reliable installation of Class 200 and Schedule 40 copper-nickel pipe. The MegaPress CuNi fitting system requires no threading

or welding and poses no fire hazard, which is particularly important in restoration or retrofit work. The press fittings are installed with a battery-powered or corded pressing tool.

MegaPress CuNi fitting system is offered in configurations that allow for the installation of the vast majority of copper-nickel piping applications in the shipbuilding market. MegaPress CuNi fittings are available in sizes ranging from ½" to 4".

Advantages

- Up to 90% time savings
- Lowest overall installed cost
- Proven joining technology
- Technical field support
- No fire watch needed
- No special certification required

Components

- Alloy: 90/10 copper-nickel C70600
- FKM sealing element
- 420 stainless steel bite ring.
- 304 stainless steel separator ring for ½" to 2" fittings
- PBT separator ring for 2½" to 4" fittings

Operating Parameters*

- Operating Pressure:
 - ½" to 3" fittings: 232 psi maximum
 - 4" fittings: 181 psi maximum
- Test Pressure: 600 psi
- Operating Temperature: 23°F to 284°F (-5°C to 140°C)
Can handle temperature spikes up to 356°F (180°C)

**Refer to your applicable type approval for exact parameters.*



This document is subject to updates. For the most current Viega technical literature, please visit www.viega.us.

Listing and Certifications

- ABS type approval
- ASTM F3226
- BV: Bureau Veritas
- DNV: Det Norske Veritag
- GL: Germanischer Lloyd
- Lloyd's Register
- RINA: Registro Italiano Navale
- USCG Acceptance Letter

Compliant With

- ISO 19921, 19922 Fire Resistance Test
- IACS P2.11.5
- ISO 9001 Quality Management System Certification

Shipbuilding Rules

MegaPress CuNi system conforms to the following:

- International Association of Classification Societies
 - Requirements concerning pipes and pressure vessels
- United States Coast Guard
- ABS Steel Vessel Rules

For use in Class III pipe components for transporting sea water and other media in accordance with section 4.6.2, Table 9 and 10 of the ABS Steel Vessel Rules for compression couplings. The fittings are an approved fire-resistant type.

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit (½" to 2")
- #26200 MegaPress XL PressBooster with 2½" press ring
- #57078 MegaPress XL 3" and 4" press ring kit
- #57081 Z3 Actuator with 2½" press ring (must be used with press gun with minimum 80mm press stroke)
- #56310 MegaPress Marine press jaw set ½" to 2"
- #56360 MegaPress Marine press ring set ½" and ¾" with V2 Actuator
- #56365 MegaPress Marine press ring set 1" to 2" with V2 Actuator

Smart Connect® Technology

MegaPress CuNi fittings are manufactured with Viega's unique Smart Connect technology. A design of the fitting, Smart Connect technology allows identification of an unpressed fitting during pressure testing.



Viega products are designed to be installed by licensed and trained plumbing and mechanical professionals who are familiar with Viega products and their installation. **Installation by non-professionals may void Viega LLC's warranty.**

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SD-MP 0823 MegaPress CuNi Fittings

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