



Commandant  
United States Coast Guard

2703 Martin Luther King Jr. Ave. SE  
Washington, DC 20593-7509  
Staff Symbol: CG-ENG-3  
Phone: (202) 372-1375  
Fax: (202) 372-1925  
Email: TypeApproval@uscg.mil

16714 / 46 CFR 56  
2019-3660  
September 10, 2019

Mark Fasel  
Viega LLC  
585 Interlocken Loop  
Broomfield, CO  
80021

Ref: (a) Your letter of May 6, 2019, with supplemental documents received August 13, 2019  
(b) Viega MegaPress Installation Manual

Dear Mr. Fasel:

This is in response to Ref. (a) and subsequent correspondence with this office, requesting acceptance for Viega's Stainless Steel and CuNi 90/10 MegaPress compression fittings for pipe connections under Title 46, Code of Federal Regulations (CFR) section 56.30-25. Your letter included additional technical documentation, test results, and an American Bureau of Shipping (ABS) Design Assessment Certificate, which allows the use of these products in specified applications for ABS-classed vessels, MODUs and facilities. While the adopted standard in 46 CFR 56.30-25 is ASTM F1387, Viega has chosen to design, construct, test and mark their fittings based on other recognized domestic and international standards. The documentation and supporting materials supplied by Viega have provided this office enough detail to determine acceptability in accordance with the procedures outlined in 46 CFR 50.25-10.

Viega MegaPress compression fittings in stainless steel are considered acceptable for use in the applications listed below, up to a maximum four inches (4"), and limited to the following system operating parameters:

- |                                                                                        |
|----------------------------------------------------------------------------------------|
| 1. Sizes up to two and one half inches (2 ½"): Pressure 232 psi and temperature 284° F |
| 2. Size three inch (3"): 181 psi and 284° F                                            |
| 3. Size four inches (4"): 145 psi and 284° F                                           |

Viega MegaPress compression fittings in CuNi 90/10 are considered acceptable for use in the below applications up to a maximum four inches (4"), and limited to the following system operating parameters:

- |                                                                           |
|---------------------------------------------------------------------------|
| 1. Sizes up to three inches (3"): Pressure 232 psi and temperature 284° F |
| 2. Size four inches (4"): 181 psi and 284° F                              |

Marine system applications:

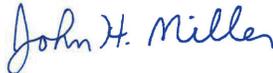
- a. Machinery cooling (sea or fresh water) inboard of the sea valve;
- b. Hot or chilled water for air conditioning;
- c. Bilge and ballast systems;
- d. Cargo oil systems;
- e. Fire main (wet or dry)/sprinkler/foam systems;
- f. Gasoline/diesel fuel/lube oil/hydraulic systems;
- g. Compressed air and vacuum lines;
- h. Low pressure steam and condensate lines;
- i. Domestic sanitary drains; and
- j. Other fluid system applications within the limitations specified in Ref. (b).

Application shall be in accordance with pipe specifications identified in the manufacturer's product instructions.

MegaPress fitting sealing elements (FKM and EPDM) must be applied in accordance with the approved applications table (Table 1.1) of Ref. (b).

This letter is not a general approval or endorsement of the subject fittings. Each application of any Viega fitting addressed by this letter will be checked during plan review and installation on the vessel to ensure that the material, size, pressure, temperature and vibration ratings and other service restrictions, as recommended by Viega or required by Coast Guard regulation, are not exceeded. Each person desiring to use the fittings shall demonstrate they have been trained to use these products in accordance with the manufacturer's recommendations and installation instructions. Viega must inform this office of any changes to the fittings addressed in this letter, which include but are not limited to materials, design, and size of product range offered. Final shipboard acceptance of the fittings is based on the installation, materials, and workmanship being to the satisfaction of the cognizant Officer in Charge, Marine Inspection.

Sincerely,



J. H. MILLER, P.E.  
Commander, U.S. Coast Guard  
Chief, Systems Engineering Division  
Office of Design and Engineering Standards  
By direction of the Commandant