

System Data

Viega MegaPress® FKM Fittings for Marine



MegaPress FKM for Marine is a carbon steel system designed for use in a variety of marine and offshore applications. It requires no threading, welding, or grooving and poses no fire hazard. The press fittings are installed with a hand-held hydraulic pressing tool. MegaPress FKM for Marine fittings are available in sizes ½" to 4".

Advantages

- Up to 90% time savings
- Lowest overall installed cost
- Marine approved joining technology
- Technical field support
- No hot work, fire permit, or chemist required
- Compatible with Metric DM spec and Inch IPS size pipe
- 3-piece ball valves available
- Approved for use with galvanized pipe

Components

- Alloy: zinc/nickel coated carbon steel body
- 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: 232 psi M.A.W.P.
- Test Pressure: 600 psi max
- Operating Temperatures: 23°F to 284°F (-5°C to 140°C)
(with temperature spikes up to 356°F)

Operating temperatures dependent on FKM sealing element.

Listings and Certificates

- | Marine: | Land based: |
|--------------------------|-------------------|
| ■ ABS type approval | ■ ASTM F3226 |
| ■ BV: Bureau Veritas | ■ FM Class 1920 |
| ■ DNV-GL | ■ IAPMO Z1117 |
| ■ Lloyd's Register | ■ ICC LC1002 |
| ■ RINA | ■ TSSA/B31 |
| ■ USCG Acceptance Letter | ■ ANSI/CAN/UL 213 |

Compliant With

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

Marine and Offshore Applications

- Sanitary drains
- Vacuum
- Fire sprinkler
- Foam, bilge, ballast, scuppers
- Compressed air including service and control air
- Fire-main (wet or dry)
- Cooling water
- Low pressure steam

Shipbuilding Rules

MegaPress system conforms to the following:

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

Refer to specific type approval for list of applicable systems and conditions. For use in Class III pipe components for 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.

MegaPress FKM for Marine fittings are designed for use in piping systems utilizing ASTM A53 or ASTM A106 pipe, either Grade A or B. The pipe wall thickness may be Schedule 10 or Schedule 40. The fittings may also be used with Schedule 80 pipe limited to the maximum pressure listed. MegaPress fittings are also compatible with DIN 10255, DIN 10216, and DIN 10217 metric pipe.

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)



Viega products must be installed by trained installers. MegaPress credential training is provided at no cost by Viega and is recommended every two years. Please contact Viega to arrange credential training on-site or at our training facility. **Installation by non-professionals may void Viega LLC's warranty.**



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

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SD-MP 1023 MegaPress FKM for Marine

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