

System Data

Viega MegaPress® 304 FKM Fittings for Marine



MegaPress 304 FKM is a stainless 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 304 FKM 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

Components

- Alloy: 304 stainless steel
- FKM sealing element
- 420 stainless steel grip 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. for ½" to 2½"
181 psi M.A.W.P. for 3"
145 psi M.A.W.P. for 4"

- Test pressure: 600 psi max
- Operating temperatures: 23°F–284°F (-5°C–140°C)
Can handle temperature spikes up to 356°F (180°C)

Operating temperatures dependent on FKM sealing element

Listings and Certifications

Marine:

- ABS type approval
- BV: Bureau Veritas
- DNV-GL
- Lloyd's Register
- RINA
- USCG Acceptance Letter

Land based:

- ASTM F3226
- FM Class 1920 (½" to 2" only)
- IAPMO/ASNI/CAN Z1117
- ICC LC1002
- ANSI/CAN/UL 213 (½" to 3" only)

Compliant With

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

Marine and Offshore Applications

- Fire sprinkler
- Fire-main (wet or dry)
- Cooling water
- Low pressure steam
- Fuel,/lube/hydraulic oil
- Bilge and ballast
- Sanitary system
- Compressed air including service and control air

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 304 FKM fittings are designed for use in piping systems utilizing ASTM A312 pipe. The pipe wall thickness may be Schedule 10 or Schedule 40.

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



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 0725 MegaPress 304 FKM for Marine

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