

Viega Approved Applications



Metals Systems

| Media ¹ | System Operating Conditions | | | Product Line, Material, and Sealing Element ² | | | | | | | | | | |
|----------------------------------|--|---|------------------------|--|----------------|------|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
| | | | | ProPress | | | ProPress and MegaPress Stainless | | | MegaPress | | MegaPressG | | |
| | Comments | Max Pressure (psig) | Temperature Range (°F) | Copper | | | 304 | 316 | | Carbon Steel | | | | |
| | | | | EPDM | FKM | HNBR | FKM | EPDM | FKM | EPDM | FKM | HNBR | | |
| Water/Liquids | | | | | | | | | | | | | | |
| Hot and Cold Potable Water | Test pressure 600 psi | 300 ProPress Copper | See note ³ | ✓ | | | | ✓ | | | | | | |
| Rainwater / Graywater | | | | ✓ | ✓ | | ✓ | ✓ | ✓ | | | | | |
| Chilled Water | ≤50% Ethylene / Propylene glycol | | | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Hydronic Heating Water | ≤50% Ethylene / Propylene glycol | 250 ProPress Valves | | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Treated Water | Fully desalinated, deionized, demineralized, distilled (open system) | | | | | | ✓ | ✓ | ✓ | | | | | |
| Reverse Osmosis Water | <1 MΩ | 200 ProPress Stainless and all MegaPress | 32° to 250° | | | | ✓ | ✓ | ✓ | | | | | |
| Paraffin Wax | | 200 | Max 100° | | | | ✓ | | ✓ | | | | | |
| Methyl Ethyl Ketone | | | | | | | | | ✓ | | | | | |
| Isopropyl Alcohol | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Nitric Acid | Concentration ≤10% | | | | | | | | ✓ | ✓ | ✓ | | | |
| Phosphoric Acid | Concentration ≤25% | | Ambient ⁵ | | | | ✓ | ✓ | ✓ | | | | | |
| Fire Sprinkler | NFPA 13, 13D, 13R | 175 | | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Steam | Low-pressure | 15 | Max 250° | | | | ✓ ⁴ | | ✓ ⁴ | | ✓ ⁴ | | | |
| | Residential | 5 | Max 227° | ✓ ⁴ | ✓ ⁴ | | ✓ ⁴ | ✓ ⁴ | ✓ ⁴ | ✓ ⁴ | ✓ ⁴ | ✓ ⁴ | | |
| Fuels/Oils/Lubricants | | | | | | | | | | | | | | |
| Ethanol | Pure grain alcohol | 200 | Ambient ⁵ | ✓ | | | | ✓ | | | | | | |
| Mineral Oil | | | | | | | | | ✓ | | ✓ | | ✓ | |
| Lube Oil | Petroleum based | | Max 150° | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Biodiesel | ASTM D6751 | 140 | | | | | | ✓ | | | ✓ | | | |
| Propane | | 125 | -40° to 180° | | | | | | | | | ✓ ⁶ | | |
| Butane | | | | | | | | | | | | | ✓ ⁶ | |
| Natural Gas | Primarily methane | | | | | | | | | | | | ✓ ⁶ | |
| Heating Fuel Oil | | | | | Max 100° | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Diesel Fuel | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Kerosene | | | Max 68° | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Gases | | | | | | | | | | | | | | |
| Compressed Air | Oil Concentration ≤25 mg/m ³ | 200 | Max 140° | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ ⁴ | ✓ ⁴ | ✓ ⁴ | | |
| | Oil Concentration >25 mg/m ³ | | | | | | | | ✓ | ✓ | | ✓ ⁴ | ✓ ⁴ | |
| Nitrogen - N ₂ | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carbon Dioxide - CO ₂ | Dry | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carbon Monoxide - CO | | | | ✓ | ✓ | ✓ | | | | | | | | |
| Argon - Ar | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Ammonia | Anhydrous | | Max 120° | | | | | ✓ | | | | | | |
| Oxygen - O ₂ | Non-medical Keep free of oil and grease | 140 | Max 140° | ✓ | | | | ✓ | | ✓ | | | | |
| Hydrogen - H ₂ | | 125 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Acetylene | Test pressure 350 psi | 20 | Ambient ⁵ | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Vacuum | Minimum absolute pressure Maximum differential pressure | 750µm Hg 29.2" Hg | Max 160° | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Special Media | | | | | | | | | | | | | | |
| Methanol | | 200 | 75° | | | | | ✓ | | | | | | |
| Latex Paint | | | | 32° to 250° | | | | | ✓ | ✓ | | | | |
| Urea Solution | Concentration ≤40% | 140 | 100° | | | | | ✓ | | | | | | |
| Caustic Soda | Concentration ≤50% | | | 140° | | | | | ✓ | | | | | |
| Acetone | Liquid | 70 | -14° to 104° | ✓ | | | | ✓ | | | | | | |

¹ It is recommended that all systems be clearly labeled with the media being conveyed. For further information please consult Viega Technical Services.
² All Viega systems must be used with the manufacturer's recommended sealing element. Contact your local Viega representative or Viega Technical Services for specific application temperature, pressure, and concentration limits.
³ System pressure and temperature ranges depend on sealing element. Any ranges listed above will be overruled by the sealing element limits here:
^{3a} EPDM temperature ranges are typically 0°F to 250°F.
^{3b} FKM temperature ranges are typically 14°F to 284°F with temperature spikes (24hr) up to 356°F.
^{3c} HNBR temperature ranges are typically -40°F to 180°F.
⁴ System must contain adequate condensate drainage.
⁵ Ambient temperatures should be taken as normal operating conditions for the applications not to exceed sealing element limitations.
⁶ Compliant with CSA 6.32 / ANSI LC-4.
⁷ Tubing with oxygen barrier should be used for systems with ferrous components.

Plastics Systems

| Media ¹ | System Operating Conditions | | Product Line |
|---|---|--------------------------------|--|
| | Comments | Temperature / Pressure Ratings | PureFlow PEX, FostaPEX, Barrier PEX ⁷ |
| Potable Water / Rainwater / Greywater | | 160 psi @ 73°F | ✓ |
| | | 100 psi @ 180°F | |
| Chilled Water / Hydronic Heating Water ⁷ | ≤50% Ethylene / Propylene glycol | 160 psi @ 73°F | ✓ |
| | | 100 psi @ 180°F | |
| | | 80 psi @ 200°F ⁷ | |
| Fire Sprinkler | NFPA 13D (Only PureFlow PEX - Black) | 130 psi @ 120°F | ✓ |

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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.**



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



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