

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	200	Note 3	✓				✓					
Rainwater / Graywater				✓	✓		✓	✓	✓				
Chilled Water	≤50% Ethylene / Propylene glycol			✓	✓		✓	✓	✓	✓	✓		
Hydronic Heating Water	≤50% Ethylene / Propylene glycol			✓	✓		✓	✓	✓	✓	✓		
Treated Water	Fully desalinated, deionized, demineralized, distilled (open system)		32° to 250°				✓	✓	✓				
Reverse Osmosis Water	<1 MΩ						✓	✓	✓				
Paraffin Wax			Max 100°				✓		✓				
Methyl Ethyl Ketone								✓					
Isopropyl alcohol			Ambient ⁶				✓	✓	✓	✓	✓		
Nitric Acid	Concentration ≤10%						✓	✓	✓				
Phosphoric Acid	Concentration ≤25%							✓	✓				
Fire Sprinkler	NFPA 13, 13D, 13R		175		✓			✓	✓	✓	✓		
Low-pressure steam			15	Max 250°		✓ ⁴		✓	✓	✓		✓ ⁴	
Fuels/Oils/Lubricants													
Ethanol	Pure grain alcohol	200	Ambient ⁶	✓				✓					
Mineral Oil								✓		✓		✓	✓
Lube Oil	Petroleum based		140	Max 150°			✓		✓		✓		✓
Biodiesel	ASTM D6751									✓		✓	
Propane		125	-40° to 180°									✓ ⁵	
Butane													✓ ⁵
Natural Gas	Primarily methane												✓ ⁵
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	140	Max 120°					✓					
Oxygen - O ₂	Non-medical Keep free of oil and grease					✓				✓			
Hydrogen - H ₂		125	Max 140°	✓	✓	✓	✓	✓	✓	✓	✓		
Acetylene	Test pressure 350 psi	20		Ambient ⁶			✓	✓	✓	✓	✓		
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 contains adequate condensate drainage.
⁵ Compliant with CSA 6.32 / ANSI LC-4.
⁶ Ambient temperatures should be taken as normal operating conditions for the applications not to exceed sealing element limitations.
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.**



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AP-PP-MP-PF 0120 Application Chart

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