

Viega Propress and Viega Propress G.

Table of usage.

Water supply systems

Medium	Remark	P [kPa]	T [°C]	●	●
Hot and cold potable Water	Australian Watermark approved, N.B. Watermark certification for all plumbing products is restricted 1400kPa at 95°C which is below this system's capability	1600	110	●	
Solar systems (Flat-panel collectors)	System capable of handling 200°C as a peak temperature	1600	110	●	
Solar systems (Evacuated tube collectors)	Fitting must not be installed within one metre of the manifold or used between two collectors	1600	110	●	
Fire Services	Capable of handling the required test pressure of 1700kPa or 1.5 times the design pressure as specified by AS2419.1	1600	110	●	
Conditioned water (Partially and fully desalinated water, softened, deionised demineralised distilled)	Not compatible with Propress or Propress G	-	-		
Chilled water (closed system)	Always contact us for open systems (inhibitors)	1600	≥ -25	●	
Spring water	Consultation required	1600	110	● ¹⁾	
Steam	Low pressure steam equipment	≤100	120	●	
Pump circulated HW systems	Compliant with EN 12828	1600	105	●	

Anti-freeze/Corrosion protection/Inhibitors

Medium	Product	Manufacturer	Remark	P [kPa]	T [°C]	●	●
Anti-freeze cooling concentration 50%	Antifrogen N	Clariant		1600	-25 to 110	●	
	Antifrogen L	Clariant				●	
	Ethylene glycol (Ethan-1,2-diol)	various				●	
	Propylene glycol (1,2-Propandiol)	various				●	
	Tyfoxit	Tyforop-Chemie				●	
	Tyforcor	Tyforop-Chemie				●	

Propress ●, Propress G ●

P [kPa]: Maximum safe working pressure (continuous operating pressure), greater short duration peaks possible

T [°C]: Maximum continuous operating temperature, greater short duration peaks possible

1) Possible with drinking quality water



Oils, cooling materials and lubricants

Medium	Remark	P [kPa]	T [°C]	●	●
Engine oils and Lubricants (Petroleum-based SAE)	Consultation required	1000	70		●
Engine oils (Synthetic based)	Not compatible with Propress or Propress G	–	–		
Bio Diesel	Not compatible with Propress or Propress G	–	–		
Heating oil, Diesel in acc. with EN590		500	40		●

Gas

Medium	Remark	P [kPa]	T [°C]	●	●
Pressurised air and Synthetic air	Oil concentration $\leq 25 \text{ mg/m}^3$	1600	60	●	●
	Oil concentration $\geq 25 \text{ mg/m}^3$	1600	60		●
Natural gas	AS/NZS5601 permits use up to 200 kPa.	1000	60		●
Liquid gas Propane Butane Methane	Where higher pressures apply, approval may be required by the relevant Gas Technical Regulator.				
Acetylene	Not compatible with Propress or Propress G	–	–		
Argon	For welding	DN15-50	1600	Ambient	●
		DN65-100	1000		
Carbogen	CO ₂ + O ₂ dry	DN15-50	1600	60	●
		DN65-100	1000		
Oxygen - O ₂	Oil and fat free	DN15-50	1000	60	●
Nitrogen - N ₂	After the evaporator	DN15-50	1600	60	●
		DN65-100	1000		
Hydrogen - H ₂	Will leak at $< 0.001 \text{ cm}^3/\text{minute}$		500	60	●
Carbon dioxide - CO ₂	Dry	DN15-50	1600	60	●
		DN65-100	1000		
Carbon monoxide - CO	Stainless steel components not permitted	DN15-50	1600	60	●
		DN65-100	1000		
Low vacuum	P _{abs} = 1mbar			70	●
Forming gas/Welding inert gas	80 % Argon / 20 % CO ₂ (e.g. Corgon)	DN15-50	1600	60	●
		DN65-100	1000		
Krypton, Neon, Xenon		DN15-50	1600	60	●
		DN65-100	1000		

Special media

Medium	Remark	P [kPa]	T [°C]	●	●
Urea solution	Not compatible with Propress or Propress G	–	–		
Ethanol		1600	25	●	
Methanol	Not compatible with Propress or Propress G	–	–		
Condensate	From gas condensate boiler	–	–		
Condensate	From steam equipment	1600	110	●	
Glycerine triacetate	Not compatible with Propress or Propress G	–	–		
Coolant inhibitor	Not compatible with Propress or Propress G	–	–		
Sodium Hydroxide	Not compatible with Propress or Propress G	–	–		
Acetone	Liquid	500	-10 to 40	●	
Ammoniac - gaseous	Not compatible with Propress or Propress G	–	–		

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T [°C]: Maximum continuous operating temperature, greater short duration peaks possible

For more information contact:

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