



Conex | Bänninger

>B< Press

>B< Press is suitable for use with hard, half hard or annealed type A and B copper tube complying with AS1432.

✓ Indicates compatibility. (Consultation required for unlisted mediums)

**\*Note:** Installations need to comply to the relevant standards and local regulations. The maximum constant or standard operating pressure and temperature are shown. For testing or short spikes, higher pressure and temperature may be applicable.

**\*\*Note:** >B< Press Water and Gas valves have alternative applications data and pressure and temperature ratings. Please refer to the >B< Press technical guide for more information.

Water Supply Systems

Application / Medium	Comments	P (kPa)	T (°C)	>B< Press Water	>B< Press Gas	>B< Press HT
Hot and cold potable water	Australian WaterMark approved. WaterMark certification for all plumbing products is restricted to 1400kPa at 95°C.	1600	110	✓	✗	✓
Fire services	Capable of the required test pressure of 1700kPa or 1.5 times the design pressure as specified by AS2419.1	1600	110	✓	✗	✓
Rainwater		1600	Ambient	✓	✗	✓
Pump circulated hot water systems	Compliant with EN12828	1600	110	✓	✗	✓
Chilled water		1000	5	✓	✗	
Water-glycol mixture	Mixing ratio 50/50% max.	600	-10	✓	✗	✓
Steam	Low pressure steam equipment	≤100	120	✓	✗	✓
Solar collectors		1600	160	✗	✗	✓
Industrial and process water	Treated, softened, partially de-ionised water with a pH of 6.5 ≤ 9.5	1600	110	✓	✗	✓

Anti-Freeze / Corrosion Protection / Inhibitors

Application / Medium	Comments		P (kPa)	T (°C)	>B< Press Water	>B< Press Gas	>B< Press HT
	Product	Manufacturer					
Anti-freeze cooling concentration 50%	Antifrogen N	Clariant	1600	-25 to 110	✓	✗	✗
	Antifrogen L	Clariant			✓	✗	✗
	Antifrogen Sol (solar systems)	Clariant			✓	✗	✗
	Ethylene Glycol (Ethan-1,2-diol)	Various			✓	✗	✗
	Propylene Glycol (1,2-Propandiol)	Various			✓	✗	✗
	Tyfoxit	Tyforop-Chemie			✓	✗	✗
	Tyfocop	Tyforop-Chemie			✓	✗	✗
	Antifrogen N	Clariant	1600	-15 to 160	✗	✗	✓
	Antifrogen L	Clariant			✗	✗	✓
	Antifrogen Sol (solar systems)	Clariant			✗	✗	✓
	Ethylene Glycol (Ethan-1,2-diol)	Various			✗	✗	✓
	Propylene Glycol (1,2-Propandiol)	Various			✗	✗	✓
	Tyfoxit	Tyforop-Chemie			✗	✗	✓
	Tyfocop	Tyforop-Chemie			✗	✗	✓

Oils, Cooling Materials and Lubricants

Application / Medium	Comments	P (kPa)	T (°C)	>B< Press Water	>B< Press Gas	>B< Press HT
Engine oils and lubricants (Petroleum-based)	Consultation required	1000	70	✗	✓	✗
Engine oils (Synthetic based)				✗	✗	✓
Bio Diesel		Not compatible				
Heating oil, Diesel in acc. with EN590		500	-20 to 40	✗	✓	✓

Gas

Application / Medium	Comments	P (kPa)	T (°C)	>B< Press Water	>B< Press Gas	>B< Press HT
Natural Gas	The scope of AS5601 for all gas systems is restricted to 200kPa.	1000	-20 to 70	✗	✓	✗
Liquid Gas Propane Butane Methane						
Argon	For welding	1600	70	✓	✓	✓
Forming Gas, Dry / Welding Inert Gas	Ar+CO <sup>2</sup> (e.g. Cargon)	1600	70	✓	✓	✓
Vacuum		-80	Ambient	✓	✓	✓
Carbon Dioxide (dry gas)		1600	Ambient	✓	✓	✓
Carbon Dioxide (wet gas)		Not compatible				
Nitrogen (gas)	May leak at <0.001cm³ /min	1600	70	✓	✓	✓
Helium		1600	70	✓	✓	✓
Neon		1600	70	✓	✓	✓
Xenon		1600	70	✓	✓	✓
Synthetic air		1600	70	✓	✓	✓
Krypton		1600	70	✓	✓	✓
Oxygen		1000	Ambient	✓	✓	✓
Acetylene		Not compatible				
Hydrogen	May leak at <0.001cm³ /min	500	70	✓	✓	✓
Carbon Monoxide		1600	70	✓	✓	✓
Compressed air	Oil concentration <25mg/m³	1600	70	✓	✓	✓
	Oil concentration >25mg/m³	1600	70	✗	✓	✓

Special Media

Application / Medium	Comments	P (kPa)	T (°C)	>B< Press Water	>B< Press Gas	>B< Press HT
Acetone (liquid)	From gas condenser boiler or steam	500	-10 to 40	✓	✗	✗
Condensate		1600	110	✓	✗	✓
Ethanol		1600	25	✓	✗	✓
Urea		Not compatible				
Methanol		Not compatible				
Sodium Hydroxide		Not compatible				
Ammonia		Not compatible				