

Propress[™] WATER Datasheet

System Description

Propress® and Propress XL™ are safe, reliable, and economical copper pipe installation systems that use modern cold press connection technology for a wide assortment of more than 150 fittings in dimensions ranging from DN15 (1/2") to DN100 (4").

Applications

Copper Tube: Type A, B, and C hard drawn copper tube from DN15 to DN100 and annealed copper tube in DN15 to DN40. All tube must comply with the AS1432 standard. Propress fittings are approved for installations in both above and belowground applications.

Operating Parameters:

Maximum safe working pressure (continuous operating pressure) 1600 kPa

Low Pressure Steam (<100kPa & 120°C)

Vacuum (Max 730mm Hg (29.2 inches of Mercury) or – 97 kPa)

Continuous operating temperature –25 to 110°C, greater short duration peaks possible

Approved Applications:

- Potable water
- Solar systems (flat-panel collectors) installations
- Hydronic heating (w/ Glycol)
- Chilled water
- Compressed Air
- Non Medical Gases
- Fire services including Fire Hydrants, Sprinklers and hose reels
- Low Pressure Steam
- Vacuum

System Benefits

- Fast and Easy to Use
- Flameless
- Permanent Connections
- Wide range from DN15 to DN100
- Large Selection of Fittings
- Consistent Professional Appearance
- Less Equipment Required
- Environmentally Friendly Connection System
- Versatility of Fittings for Variety of Applications

Fittings

Viega Propress fittings are offered in 150+ configurations including: Elbows, Couplings, Reducers, Tees, Reducing Tees, Threaded Adapters, Unions, Caps, and Flanges. All Threaded 1/2"- 2" fittings are bronze.

Smart Connect™ (SC Feature)

In Propress DN15- DN100 dimensions, the Smart Connect Feature assures leakage of liquids and/or gases from inside the system past the sealing element of an **unpressed** connection. The function of this feature is to provide the installer quick and easy identification of connections which have not been pressed prior to putting the system into operation.

Tools

There are two formats of pressing tools for connecting Propress fittings.

- PT3-AH or Pressgun 4B battery powered Tool (DN15 to DN100)
- Picco or Pressgun Picco battery powered Tool (DN15 to DN25)
- DN15 to DN100 fittings are pressed in 4-7 sec.



History

Propress has been used in Europe since the late 1980s and in the U.S. since the late 1990s for a variety of applications. Viega Propress was introduced to Australia in 2006. A world leading plumbing company and an Australasian leader with over 200 years of combined excellence back Viega Propress.

Warranty

Viega Propress fittings carry a 25-year warranty against defects in material and workmanship when installed in conjunction with Crane Copper Tube.

Approvals and Certificates

- Australian Watermark approval No LN21120
- AS2419.1 compliant
- AS2441 compliant

INTERNATIONAL APPROVALS

- Deutsch Verein des Gas-und Wasserfachese.V. (DVGW)
- Factory Mutual approval (FM)
- Schandernverhutun (Vds)
- Lloyd's Register (LLOYD'S)
- Det Norske Veritas (DNV)
- Registro Italiano Navale (RINA)
- Bureau Veritas (BV)
- KIWA
- NSF International
- IAPMO
- UL
- ABS (American Bureau of Shipping)

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