



Viega Propress G.

Datasheet.

System Description

Propress G 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").

The Propress G system is a copper press connection system designed to meet the demands of natural gas and liquid propane gas in the vapour state as well as fuel oil systems. Press fittings are manufactured in copper and fittings with BSP threads connections are manufactured in bronze. Propress G utilizes an HNBR sealing element to provide permanent leak-proof connections in dimensions from DN15 (1/2") to DN100 (4").

Applications

Copper Tube: Type A and B 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 G fittings are approved for installations in both above and below ground applications.

Operating Parameters:

Fuel gas in a vapour state not in the liquid state with a 1000 kPa max operating pressure and an ambient temperature range of -40 °C to 70 °C. N.B.

- Natural Gas
- Liquid Propane Gas
- Mixed Fuel Gases (vapor state only)
- Manufactured Fuel Gases
- Butane

Other Approved Applications

- Fuel Oil Heating Systems
- Carbon Dioxide CO₂ (dry)
- Vacuum (Max 730 mm Hg (29.2 inches of Mercury) or -97kPa)
- Diesel Fuel
- Motor Oil



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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 G 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. Fittings are provided with a factory installed HNBR sealing element, yellow in colour.

Smart Connect (SC Feature)

The Smart Connect Feature is a special indentation in the inside surface of the fitting near the sealing element. This indentation assures identification of leakage of liquids and/or gases from inside the system past the sealing element of an unpressed connection. The indentation is removed during the pressing process creating a leakfree, permanent connection. This feature provides quick and easy identification of connections, which have not been pressed prior to putting the system into operation. This feature has a guaranteed functional range of 2.2-300 kPa for a dry leakage test and 100-650 kPa for a wet leakage test.

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 DN32)
- DN15 to DN100 fittings are pressed in 4–7 sec.

Fitting Markings

Each fitting is marked with the following:

- Viega
- The fitting dimension
- "Gas" etched in several places and painted in yellow

History

Propress G has been used in Europe since 1999 and in the U.S. since 2004. Propress (water) 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 & Propress G were introduced to Australia in 2006. A world leading plumbing company with over 100 years of excellence back Viega Propress G.

Warranty

Viega Propress G fittings carry a 25-year warranty against defects in material and workmanship when installed to specification on AS1432 complying copper tube.

Approvals and Certificates

Approved for use throughout Australia with compliance to AS/NZS5601.

INTERNATIONAL APPROVALS

- Deutscher Verein des Gas- und Wasserfaches E.V. (DVGW)
- Lloyd's Register (LLOYD'S)
- Det Norske Veritas (DNV)
- Registro Italiano Navale (RINA)
- Bureau Veritas (BV)
- KIWA
- IFGC International Fuel Gas Code
- NFPA 54/Z223.1 National Fuel Gas Code
- NFPA 58 Liquefied Petroleum Gas Code
- UPC Chapter 12 Fuel Piping
- NFPA 30 Flammable and Combustible Liquids code
- NFPA 30A Code for Motor Fuel Dispensing Facilities and Repair Garages
- NFPA 31 Standard for the Installation of Oil-Burning Equipment (supply line only)

For more information contact:

Viega
Plumbing and heating systems
Viega Platz 1
57439 Attendorn
Germany
info@viega.de
www.viega.de

Viega Pty Limited
Norwest Central
Suite 102
8 Century Circuit
Baulkham Hills
NSW 2153
Australia

