



Crane Copper Tube

# Press-fit Joining System for Copper Tube

PROFESSIONAL FITTING SYSTEM FOR GAS & WATER INSTALLATIONS



**Propress<sup>™</sup>G**  
GAS

**Propress<sup>™</sup>**  
WATER

COPPER TUBING → PROPRESS FITTINGS → TOTAL COPPER SYSTEM

The Crane Copper Tube 'Viega Propress' system is an ultra-fast, press-fit joining system for permanent, professional connection of DN15 to DN100 copper tube.



State-of-the-art press-fit technology delivers fast and reliable joints every time.



## The right connection for your GAS and WATER applications

### → State-of-the-art Connection Technology:

The Viega Propress system integrates state-of-the-art press-fit technology and purpose designed fittings to deliver today's most efficient and reliable copper tube connection method for both gas and water applications.

### → Fast, No Fuss Connections:

No soldering, no welding, no glue, no fuss. The consistent pressing force delivered by the pressing tool ensures a secure, permanent, non-detachable connection every time.

### → No Flame – No Fire:

Cold jointing means no danger of fire or heat damage during installation. No moving and set-up of gas bottles and hoses means faster installations and improved on-site safety.

### → Joints Produced in Just Seconds:

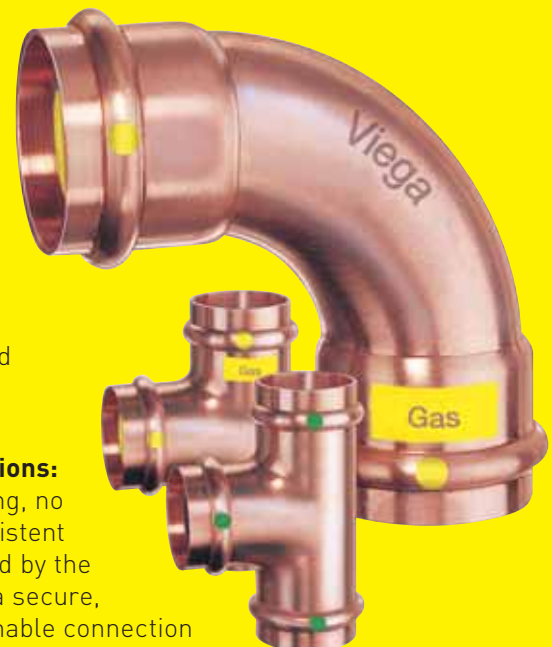
Ultra-fast connection in comparison to brazed or soldered connections, and there's far less risk of errors and call back problems, thus greatly improving your economic efficiency.

### → Amazingly Simple to Use:

The system offers all you need, from quality Crane copper tube, through an extensive selection of fittings to efficient pressing tools and appropriate pressing jaws. Propress fittings are fully self contained, with no additional components to fit or adjust.

### → Save Time and Effort:

Fittings generally apply sufficient hold so you can assemble the components first, then work quickly and efficiently from one end to the other with the pressing tool.



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No soldering, no welding, no gluing... just fast, no fuss joints for commercial, industrial, multi-residential and domestic **gas** and **water** installations.

## German engineering, German quality fittings, Internationally proven

### → Tested to Recognised International and Australian Standards:

Propress fittings are manufactured using the highest quality materials and state-of-the-art equipment to deliver guaranteed results every time. Propress fittings are tested to strict internationally recognised standards, including DVGW (German Association of Gas and Water Specialists), GASTEC and KIWA standards and comply with Australian standards where applicable.

### → Unique 'Smart Connect' Visible Test Safety:

A unique breakthrough in terms of safety sets Viega's metal press-fitting systems apart from the rest. 'Smart Connect' is a small bypass chamber which at first provides a positive leakage point, but is completely sealed during the pressing process. Any Propress connection which is yet to be pressed is revealed by visible leakage (water systems) and/or a pressure drop (gas and water installations) during line testing. This innovation is referred to as 'visible test safety' and is particularly important where gas is involved.

### → Strong Permanent Connection:

To ensure that Viega press fittings are secure and able to cope with maximum forces, fittings up to DN50 are double pressed in one operation - on either side of the seal, while Propress XL fittings (DN65 to DN100) incorporate a stainless steel grip-ring which ensure a strong burst-proof joint.

### → Tube Guides for Safer Joints:

Viega press fittings incorporate a cylindrical guide tube in front and behind the seal. This prevents the tube tilting and possibly damaging the sealing element during installation and pressing.

### → Full-Flow Fittings:

Propress fittings maintain the full bore of the tube. Fittings provide bend radii that are larger than traditional capillary fittings. Flow calculations can be made as per capillary fittings.

### → Guaranteed for 25 Years:

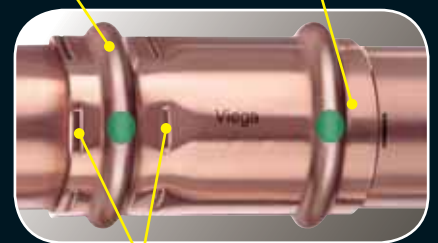
Only Crane copper tube has been tested and approved for use with the Viega Propress system. When installed to specifications on Crane copper tube, Propress fittings are guaranteed for 25 years against leaks from faulty materials or manufacture.



A non-pressed fitting is easy to identify as it will produce an obvious leak.

Positively retained sealing element ensures perfect seal.

Tube guides prevent tube from tilting during assembly and pressing.



Double press-fit joints for greater joint strength (DN15 to DN50).





Once pressed, PropressG fittings are permanent and guaranteed to be leak free.



PropressG fittings are distinguished by YELLOW markings to indicate that they are intended for GAS applications, and are also equipped with a YELLOW sealing element.

## The professional press-fit connection for Gas

→ **Fittings Specifically Designed for Gas Installations:**

PropressG fittings have been designed for use in gas installations, and are easily recognised by YELLOW markings. PropressG fittings also have a yellow sealing element.

→ **Extensive Range of Low Cost Fittings:**

PropressG fittings are currently available to cater for most standard connection requirements for DN15 to DN100 (½" to 4") copper tube installations. A full list of available fittings is available at [www.cranecopper.com.au](http://www.cranecopper.com.au).

→ **Approved for use throughout Australia:**

PropressG fittings are approved for use throughout Australia, and can be used behind or in walls, in direct sunlight and underground. PropressG fittings can be used for natural gas, LPG, compressed air and oil line installations.

→ **Use Crane Industry Standard Tube:**

PropressG fittings are suitable for use with Crane copper tube Type A and B industry standard gas tube sizes.



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## The professional press-fit connection for Water

### → Fittings Specifically Designed for Water Installations:

Propress fittings have been designed for use in a wide range of water applications, and are easily recognised by GREEN markings and a black sealing element manufactured from EPDM.

### → Australian Tested and Watermark Approved:

Propress fittings have been tested to AS3688 and have received Watermark approval N°LN21120 for use with hot and cold potable water applications.

### → Superior Pressure and Temperature Ranges:

Propress fittings are rated for safe working pressure up to 1600kPa at 110°C for water applications and can handle short term peaks of 200°C making them ideal for flat panel solar installations. Please consult Crane Copper Tube for applications outside these specifications. Propress fittings are compatible with Crane copper tube Type A, B and C industry standard water tube sizes.

### → Extensive Range of Low Cost Fittings:

Propress fittings are manufactured from the highest quality copper or bronze materials and are currently available to cater for most standard connection requirements for DN15 to DN100 (½" to 4"). A full list of available fittings is available at [www.cranecopper.com.au](http://www.cranecopper.com.au).

### → Versatility to suit most Construction Applications:

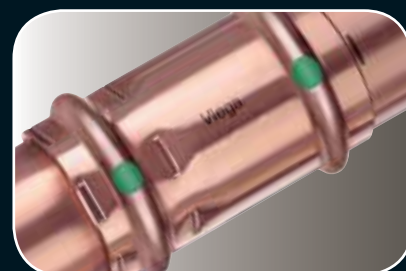
Propress fittings can be used behind or in walls, in direct sunlight and underground. Propress fittings can also be used for solar water, drainage and compressed air (max 25mg/m<sup>3</sup> oil concentration).

### → Cost-effective for All Water Line Systems:

Excellent for retrofit and remodelling installations. Can be connected to existing copper lines.



Strong and reliable permanent joints in seconds with the easy to operate hand-held pressing tool.



Propress fittings are distinguished by GREEN markings to indicate that they are intended for WATER applications, and are also equipped with a BLACK sealing element.

**Pro**press™  
**GAS**

**Pro**press™  
**WATER**

## Pressgun Picco for professional pressing of DN15 to DN25 joints



Viega  
Pressgun  
Picco

- 50mm shorter than previous model.
- 25% lighter than previous model.
- Optimum gun-shaped ergonomic design for one hand pressing operation.

→ Longer service interval of 32,000 cycles.

→ Full 180° swivelling head. Means easy access to hard to reach joints.

→ Powerful 18V Lithium-Ion battery. Smaller, lighter and no memory effect.

→ Batteries interchangeable with Pressgun 4B.

→ Professional Joints for DN15 to DN25.

The Pressgun Picco tool is a lightweight yet powerful battery-powered electro-hydraulic tool for press-fit joining of both PropressG (gas) and Propress (water) installations using DN15, DN18, DN20 and DN25 copper tube. (Jaws are not interchangeable with the 4B/PT3 models).

→ Easy to Operate, Safe and Reliable.

Automatic forced compression, electronic monitoring of bolt safety and temperature, plus battery charge level and service interval display, all make working with the Viega Pressgun Picco so easy, so quick, and so dependable.

→ Quality Swiss Design and Manufacture.

All Viega pressing tools are designed and manufactured in Switzerland by Von Arx AG, which also manufactures appropriate pressing tools sold under the RIDGID® brand name.



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## Pressgun 4B for professional pressing of DN15 to DN100 joints

Pro**press**<sup>G</sup>  
GAS  
Pro**press**<sup>™</sup>  
WATER

- **Powerful, compulsory pressing and automatic return for worry-free joints every time.**
- **Lighter than previous model.**  
With a reduced weight to 4.35kg (without jaws) and smaller size, the new 4B tool is easier to handle and carry.
- **Longer service interval of 32,000 cycles.**
- **Full 180° swivelling head.** Means easy access to hard to reach joints.
- **Powerful 18V Lithium-Ion battery.** Provides 60% more battery capacity than previous model with no memory effect.
- **Batteries interchangeable with the Pressgun Picco.**
- **Professional Joints for DN15 to DN100.**  
The Pressgun 4B is a high powered tool for press-fit joining of both PropressG (gas) and Propress (water) installations using all copper tube sizes from DN15 to DN100. (Jaws are not interchangeable with Picco series tools).
- **Easy to Operate, Safe and Reliable.**  
Automatic forced compression, electronic monitoring of bolt safety and temperature, plus battery charge level and service interval display, all make working with the Viega Pressgun 4B so easy, so quick, and so dependable.



Viega  
Pressgun 4B



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# Propress<sup>™</sup> GAS

# Propress<sup>™</sup> WATER



- Ultra-fast installation.
- Permanent, strong, leak-free joints.
- No brazing, soldering or gluing required.
- Improves safety and efficiency.
- No need to drag gas bottles and hoses around the site.
- PropressG has approval for DN15 to DN100 gas installations Australia wide.
- Propress has Watermark approval for DN15 to DN100 water installations Australia wide.
- Designed for industry standard sized copper tube, can connect to existing copper lines.
- Joints can be pressed with pressure in the line.
- Proven track record with over 1 billion fittings in use worldwide.
- German precision engineered and manufactured fittings.
- Guaranteed for 25 years, with a design life of over 50 years.
- Superior pressure and temperature ratings.
- Can be used behind or in walls, in direct sunlight and underground.
- Cylindrical tube guide to protect sealing element during assembly.
- 'Smart Connect' leak detection feature to quickly identify un-pressed fittings. Obvious pressing marks in DN15 to DN50 fittings also assist in identifying un-pressed fittings.
- Fittings supplied in one-piece, ready for installation.
- Full-flow joints – fittings maintain bore.
- Comprehensive range of fittings for both water and gas installations.
- One pressing tool can be used for both water and gas.
- Ease of use, yet tool is not cost effective for non professionals.

Information contained in this brochure is provided as a guide only. Crane Copper Tube does not warrant that the information is accurate or without errors or omissions. Crane Copper Tube reserves the right to correct any errors or misprints. All information and product details contained within this document are provided as a guide only. Product use shall be conducted by a fully licensed plumber/gasfitter.

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