



# Press-fit Joining System for Copper Tube

PROFESSIONAL FITTING SYSTEM FOR WATER INSTALLATIONS



**Profipress**  
WATER

COPPER TUBING → PROFIPRESS FITTINGS → TOTAL COPPER SYSTEM

The Viega Profipress system is an ultra-fast, press-fit joining system for permanent, professional connection of 12 to 108mm copper tube.



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



## The best connection for all WATER applications

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

The Viega Profipress 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 every water application.

### → 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:

Viega Profipress joints are completed in just 4 seconds. That's ultra-fast in comparison to brazed or soldered connections, and there's far less risk of errors and call back problems, thus greatly improving your installation speed and 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. Profipress 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.



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

## German engineering, German quality fittings, Internationally proven

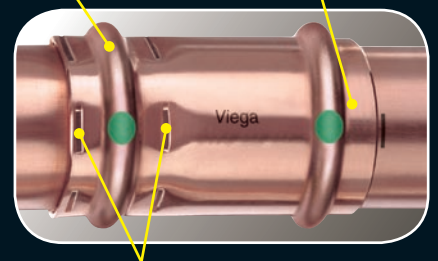
- **Tested to Recognised International Standards:**  
Profipress fittings are manufactured using the highest quality materials and state-of-the-art equipment to deliver guaranteed results every time. Profipress fittings are tested to strict internationally recognised standards, including DVGW (German Association of Gas and Water Specialists) and KIWA standards and comply with WRAS standards where applicable.
- **Strong Permanent Connection:**  
To ensure that Viega press fittings are secure and able to cope with maximum forces, fittings up to 54mm are double pressed in one operation - on either side of the seal, while Profipress XL fittings (67 to 108mm) incorporate a stainless steel grip-ring which ensure a strong burst-proof joint.
- **Tube Guides for Safer Joints:**  
Viega Profipress fittings up to 54mm 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:**  
Profipress 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.
- **Approved for use with Crane copper tube:**  
Crane copper tube has been tested and approved for use with the Viega Profipress system. Viega Profipress fittings can be used to connect to existing copper lines to enable extension and modifications.



Stainless steel grip-ring in 67 to 108mm fittings ensures strong burst-proof joint.

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 (12 to 54mm).

The Viega Profipress fittings include the unique 'SC-Contur Visible Test Safety' feature for faster and more reliable test and commissioning.



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

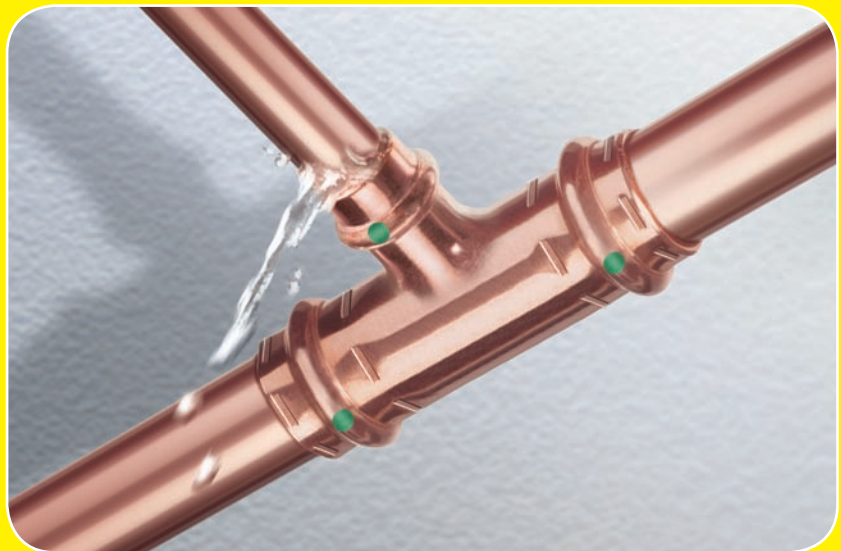


→ **Unique 'SC-Contur Visible Test Safety':**

A unique breakthrough in terms of safety, sets Viega's metal press-fitting systems apart from the rest. 'SC-Contur' is a small bypass chamber which at first provides a positive leakage point, but is completely sealed during the pressing process. Any Profipress connection which is yet to be pressed is revealed by visible leakage and a pressure drop during line testing. This innovation is referred to as 'visible test safety' and provides faster and more reliable test and commissioning of installations.

→ **Fittings can be Pressed with Pressure in the line:**

There is no need to drain the line to press a Viega Profipress fitting, so the installation can be tested and commissioned without further delay.



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

The Viega Profipress system offers an extensive range of fittings to provide complete solution for water installations from 12 to 108mm.

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

Profipress 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.

→ **WRAS Approved:**

Profipress fittings have received WRAS approval for use with hot and cold potable water applications.

→ **Superior Pressure and Temperature Ranges:**

Profipress fittings are rated for safe working pressures up to 16bar at 110°C for water applications. Please consult your Viega Profipress supplier for applications outside these specifications. Profipress fittings are compatible with Crane Copper Tube BSEN1057 Type X and Y industry standard water tube sizes.

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

Profipress fittings are manufactured from the highest quality copper or bronze materials and are currently available to cater for most standard connection requirements for 12 to 108mm. Please request the technical literature for the full range available in your region.

→ **Versatility to suit most Construction Applications:**

Profipress fittings can be used behind or in walls, in direct sunlight and underground. Profipress 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.



The extensive range of Profipress fittings in sizes from 12 to 108mm are distinguished by GREEN markings to indicate that they are intended for WATER applications, and are also equipped with a BLACK sealing element.



The Viega battery and electric powered pressing tools are easy and safe to operate and deliver reliable, permanent joints every time.



Viega 4B Pressing Tool

Viega 4B tool kit



→ **The Viega Picco Pressing Tool:**

The Viega Picco tool is a lightweight yet powerful battery powered electro-hydraulic tool for press-fit joining of 12, 15, 18, 22, and 28mm copper tube using Profipress fittings. (Jaws are not interchangeable with the 4B or 4E models).

→ **The Viega 4B and 4E Pressing Tools:**

The Viega 4B (battery powered) and 4E (230V electric) tools are for press-fit joining of all copper tube sizes from 12 to 108mm using Profipress fittings. (Jaws are not interchangeable with the Picco tool).



The Viega hand held pressing tools deliver exceptional convenience, and the rotatable head provides easy access to the most difficult locations.

→ **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 pressing tools so easy, so quick, and so dependable.

→ **Rotatable Head for Easier Access:**

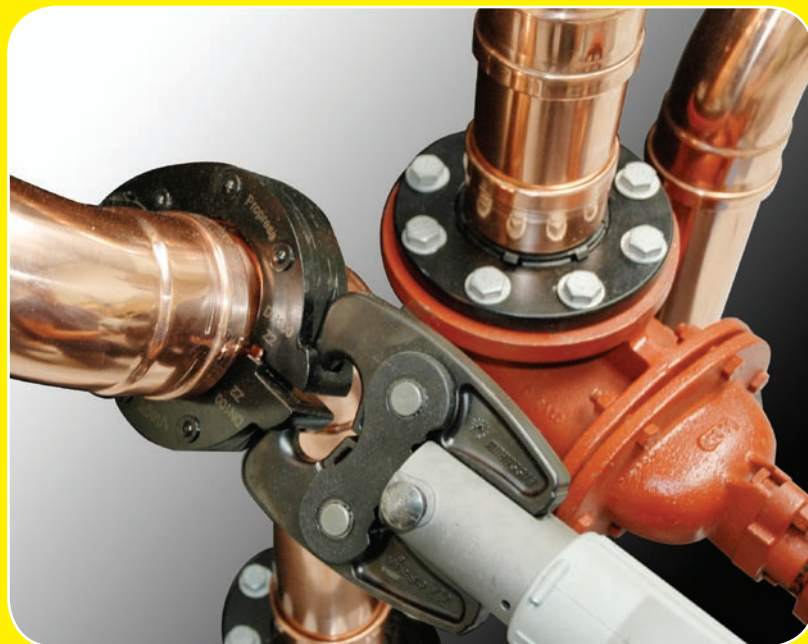
The Viega pressing tools also provide easy access to hard to reach joints as the head can be rotated up to 90°.

→ **Quality Swiss Design and Manufacture:**

All Viega pressing tools are designed and manufactured in Switzerland.



Viega  
Picco  
Tool



Viega Picco tool kit



# Profipress WATER



- Ultra-fast installation. Joints completed in just 4 seconds.
- 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.
- Profipress has more than 50 approvals worldwide including WRAS.
- Approved for use with industry standard sized Crane copper tube.
- 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.
- 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.
- 'SC-Contur' leak detection feature to quickly identify un-pressed fittings. Obvious pressing marks in 12 to 54mm 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 water installations.
- Ease of use pressing tool, yet tool is not cost effective for non professionals.

Purdon King (International) Ltd are the exclusive agents for Viega Profipress throughout Hong Kong and Macau. Information contained in this brochure is provided as a guide only. Purdon King (International) Ltd does not warrant that the information is accurate or without errors or omissions. Purdon King (International) Ltd reserves the right to correct any errors or misprints. Product use shall be conducted by a fully qualified/licensed plumber, and in accordance with the appropriate standards and regulations.



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