

Gas Applications

Installation Instructions

General

Conex Bänninger >B< Press Gas fittings should be professionally installed by an appropriately trained and qualified installer. All installations **must** be completed in line with local regulations and by-laws governing the installation, and all applicable health and safety practices must be adhered to.

Important

Select the correct size of tube, fitting, and jaw for the installation. Ensure the fitting and tube are kept free of any dust or dirt, and that the O-ring is undamaged. Check the inner pressing contour of the jaw is free of dirt and debris.

Do not force tube ends together prior to making joints. Joints should only be made on an unstressed pipework assembly.

Joint information

- A joint is finished after one complete compression cycle of the tool.
- **Do not** press any >B< Press Gas fitting more than once.
- Pipework alignment must be completed prior to pressing.
- **Do not** rotate joints after they have been pressed.



>B< Press Gas fittings have yellow O-rings and a yellow paint marking. Ensure your fittings match this specification prior to installation.

Further Information

Please visit - www.conexbanninger.com or email - technical@ibpgroup.com, for information on:

- Tube compatibility.
- Space required for pressing.
- Minimum distance between joints, pressed or brazed.
- Compatible press tools and jaws.

Applications

Applications	Flow Medium	Pressure bar	Temp °C
Natural gas installations EN 1775	Gas class combustion gases	PN 5 GT/1	-20 to 70
LPG, Liquefied petroleum gas installations	Gas class combustion gases	PN 5 GT/1	-20 to 70
Fuel oil supply systems	Heating oil	5	25
Compressed air systems	Compressed air of all classes as per ISO 8573-1	10	25
Suitable for: Natural and liquid gases, compressed air (oil/oil free) petrol, mineral oils (lubricating oils, hydraulic oils based grease, vegetable and animal oils/fats, light heating oil and diesel.			
Not suitable for: Acetone, alum, formic acid, benzene.			

Hydrogen ready according to AR214

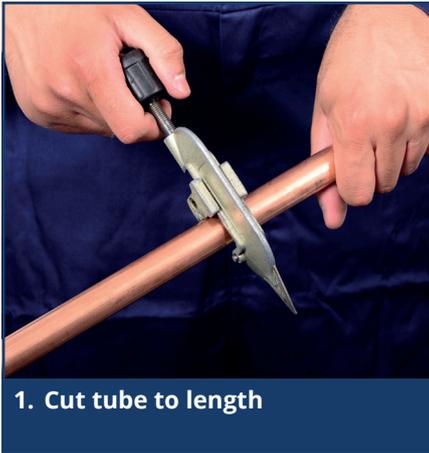
Tube preparation

To ensure a secure and permanent joint the tube **must** be correctly prepared prior to installation. Incorrect tube preparation can result in damaging the O-ring and causing the fittings to leak.

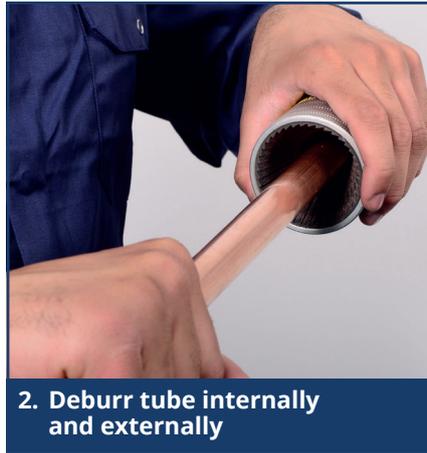
Note: Avoid hand held grinding wheels, fast cutting saws and hacksaws, as these are **not suitable** for cutting tube ends square. If tube ends do become distorted, remove the damaged section, using an appropriate cutting method.

Safety Note: Before using a press tool please refer to the manufacturer's operating and safety instructions. Care must be taken to ensure hands are kept away from the jaw during the pressing process. Always wear ear and eye protection.

Leave the fittings in the packaging prior to installation, to protect them from contamination, and to preserve the lubrication of the O-rings.



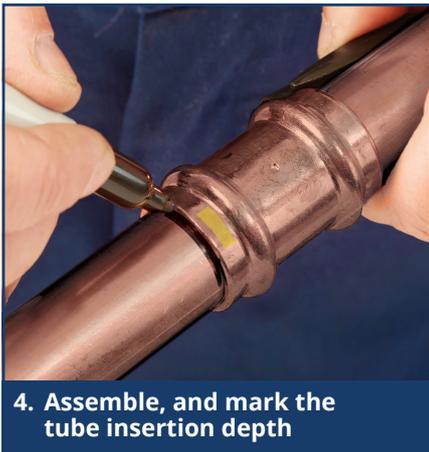
- Use a rotary tube cutter.
- Ensure that the tube is cut square.
- Check the tube has maintained its shape and is damage free.



- Deburr the tube both internally and externally.
- Where possible angle the tube downwards to prevent filings entering the tube.
- Make sure the internal and external surfaces of the tube ends are smooth and free from burrs and sharp edges.
- **IMPORTANT:** Please ensure that the tube surface is free from any deep scores or scratches.



- Check the fittings is the correct size for the tube.
- Check the O-rings are present, undamaged, and correctly seated.
- **IMPORTANT: No other lubricants such as oils or greases should be used.**



- The tube **must** be fully inserted into the fitting until it reaches the tube stop.
- To reduce the risk of dislodging the O-ring, rotate the tube (if possible) while pushing it into the fittings
- Mark the insertion depth on the tube.
- Prior to pressing **ensure the tube has not moved out from the fitting socket.**



- Ensure pipework is correctly aligned prior to pressing, and the correct size jaw is inserted into the tool.
- The jaws **must** be placed squarely on the fitting, locating the groove on the bead.
- The bead on the fitting should fit centrally in the groove of the jaw.
- Depress and hold the start button on the press tool to complete the pressing cycle.
- Pressing is complete when the jaws are fully closed.
- **IMPORTANT: The joint is complete after one full cycle of the tool. DO NOT crimp any fitting more than once.**



- Mark the completed joint after pressing.
- This enables joints to be inspected easily before testing.

The content of this publication is for general information only. It is the user's responsibility to determine suitability of any product, product data and specifications, for the purpose intended and reference should be made to our Technical Department if clarification is required – technical@ibpgroup.com. All products must be installed in accordance with our installation instructions. In the interests of technical development we reserve the right to change specification, design and materials without notice.

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