>B< Press

Water Applications

Installation Instructions

General

Conex Bänninger >B< Press 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 fitting more than once.
- Pipework alignment must be completed prior to pressing.
- **Do not** rotate joints after they have been pressed.

Further Information

Please visit - **https://conexbanninger.com/en-us/** or email - **salesusa@ibpgroup.com**, for information on:

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

Applications

Tube preparation

Type of Service	Comments	Pressure PSI	Temp °F
Hot and cold potable water	-	300	32 to 250
Rainwater/gray water	PH 6.5 < 9.5	300	32 to 250
Chilled water	Ethylene glycol/ Propylene glycol*	300	0 to 250
Hydronic heating	Up to 50% Ethylene glycol/ Propylene glycol	300	32 to 250
Note: For the full applications chart please refer to the >B< Press Technical Brochure.			
*Please refer to manufactures instructions.			

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.

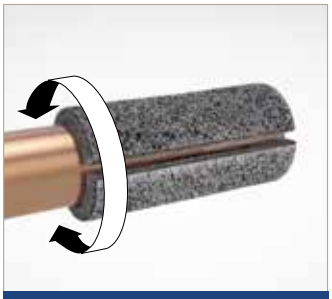
1. Cut tube to length

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

2. Deburr

- 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 or sharp edges.

Caution: Please ensure that the tube surface is free from any deep scores or scratches.



3. Clean the tube

- Thoroughly clean the tube end using a rovlie or similar cleaning pad in a rotating action.
- Tube ends must be free from scratches, oxidation, dirt and debris.

4. Check for scratches and scores

- If deep scratches are still visible, cut the tube back to a clean section and prepare the tube end again.

5. Check the fittings

- Check the fitting is the correct size for the tube.
- Check the O-rings are present and correctly seated.
- Additional >B< Press lubricant (silicon oil) may be used to aid tube insertion. (MPABPSOIL100ML)

6. Assemble and mark the insertion depth

- 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 slipping it into the fitting.
- Mark the insertion depth on the tube.
- Prior to pressing ensure the tube has not moved out from the fitting socket.

7. Complete the joint with the press tool

- Ensure pipework is correctly aligned prior to pressing.
- Ensure 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.
- Complete the press cycle once only – do not re-press.

8. Mark the completed joint

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

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