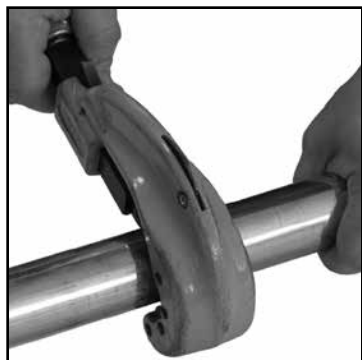


NIBCO® Press System® 1/2" - 2" Fittings - Installation Instructions

For Types K, L and M Hard Copper Tubing in 1/2" to 2" Sizes



1. Select clean, undamaged copper tube and cut to desired length. Cut tube end square using a pipe cutter or fine-toothed steel saw.



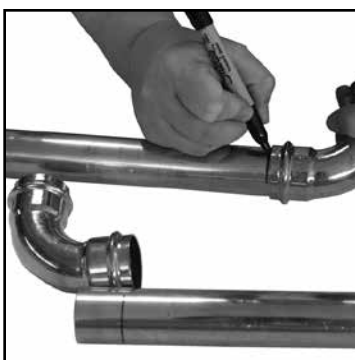
2. Deburr the tube inside diameter using a rounded file or a deburring tool.



3. Deburr the tube outside diameter using a rounded file or a deburring tool. Clean the tube end of all dirt, oil and grease as well as copper dust and chips from sawing.



4. Check the fitting to make sure that the seal is in place, clean and free of contaminants. Only original NIBCO EPDM seals are to be used when making press connections with NIBCO Press System fittings and valves. If it is necessary to lubricate the seals, use water only. Do not use any petroleum-based lubricants.



5. Mark the tube with the proper insertion depth using a permanent marker. Insert the tube into the valve end using a twisting motion and make sure that the tube is fully inserted.



6. Ensure that the proper pressing jaws are installed in the pressing tool and squeeze jaw arms to open jaw set. Place open jaws around the fitting end and ensure that the contour of the jaw is properly aligned with the contour of the fitting. Make sure the tube is inserted to the proper depth in fitting (reference mark from #5) and with the tool at a right angle to the tube, start pressing procedure.

***TUBE DEBURRING IS CRITICAL. ROUGH EDGES MAY TEAR SEAL AND CAUSE LEAKING JOINTS.**

Tube Insertion Depth Chart

Tube Size (In.)	Insertion Depth (In.)
1/2	11/16
3/4	7/8
1	7/8
1-1/4	1
1-1/2	1-3/8
2	1-1/2

⚠ WARNING

Read press tool operator's manual and fitting manufacturer's installation instructions before using. Failure to follow all instructions may result in extensive property damage and/or serious personal injury. Call the NIBCO Technical Service Department at 1.888.446.4226 if you have any questions or need assistance.

⚠ MISE EN GARDE !

Familiarisez-vous avec le mode d'emploi de la presse et les instructions du fabricant des raccords avant d'utiliser l'appareil. Le non-respect de leurs consignes risquerait d'augmenter les risques de dégâts matériels importants et/ou de graves blessures corporelles. Veuillez adresser toutes questions éventuelles ou demandes de mode d'emploi à la NIBCO en composant le 1.888.446.4226.

⚠ ADVERTENCIA

Antes de usar, lea el Manual del Operario de esta herramienta de presión y las instrucciones de instalación del acoplamiento proporcionadas por su fabricante. Pueden ocurrir daños materiales de gran envergadura y lesiones corporales de gravedad si no se respetan todas las instrucciones. Si tiene alguna pregunta o desea pedir un manual, llame al Departamento de Servicio Técnico de NIBCO al 1.888.446.4226.

Installation Instructions: Quick Reference Checklist

1. Cut hard tube (K-L-M) square w/tubing cutter or fine tooth saw.
2. Deburr and ream *inside & outside* of tube end. Make sure surface is smooth with no burrs or sharp edges.
3. Check fitting/valve for O-ring seal.
4. Mark insertion depth on tube and insert tube (slightly turning) into fitting. (Do NOT use any lubricants).
5. Safely press fitting/valve with proper tools & jaws.
6. Double-check joint to confirm that each fitting/valve has been aligned correctly and fully crimped.
7. Test system in accordance with NIBCO installation instructions and in accordance with engineering jurisdiction piping codes. System rated @ 200 PSIG -20 °F to 250 °F.

Caution:

- *Do NOT press fittings or valves within 12" of annealed/brazed tubing.
- *Do NOT braze or solder within 12" of press fittings/valves. If absolutely necessary, take proper precautions to protect the EPDM seal from any heat source. For example, wrap with a cool wet cloth or rag.