These pneumatic tools are designed specifically for crimping and sealing soft copper refrigeration tubes for the purpose of stopping the flow of refrigerant while the tubing is cut to length and sealed with solder or brazing compounds. A variety of crimp jaw designs and reverse-action power packs (pneumatic cylinders) are available to accommodate a range of copper tubing diameters from 3/16” - 3/8”. Larger or smaller tubing can also be addressed through the use of modified or custom designed tool configurations.

**Pneumatic Ball-Crimp Tools**  
**BC-004 & BC-006**

The **BC-004 Ball-Crimp Tool** is designed for use with annealed copper (or aluminum) tubing, 3/16” - 1/4” diameter. Equipped with a reverse-action power pack, the jaws will remain clamped onto the tubing when the trigger lever is in the released position, thus functioning as a hands-free clamp to stop the flow of gases or liquids while the tubing is cut, soldered or brazed.

The **BC-006 Ball Crimp Tool** is designed for use with annealed copper (or aluminum) tubing, 1/4” - 3/8”. Equipped with a larger reverse-action power pack to generate more crimping force when used on larger diameter copper tubing.

**Pneumatic Straight Crimp Tool**  
**PTX-512**

The **PTX-512 Crimp Tool** is designed with straight jaws to crimp annealed copper (or aluminum) tubing up to 1/4” diameter. The crimp profile created with this tool produces a radius surface on both sides of the tubing yielding very little tube deformation.

**Pneumatic Straight Crimp Tool with Tube Alignment Guide**  
**PTX-809**

The **PTX-809 Crimp Tool** is designed with heavy duty jaws and jaw housing. The crimp jaws produce a wider crimp profile than the PTX-512. Tube alignment guides are included to insure the tubing remains perpendicular to the jaws during the crimp process. This tool is designed for use with annealed copper or aluminum tubing up to 1/4” diameter.
The BC-004 is designed with a ball shaped jaw and a receiver jaw to crimp 1 side of annealed copper (or aluminum) tubing. This design will generate some tube deformation during the crimping process. However, this design will leave the outer walls of the tubing intact, thus resulting in a strong joint without weakening the tube.

When working with 3/8” diameter tubing, the BC-006 would be recommended.

The PTX-512 is equipped with straight jaws that will pinch the tubing equally on both sides, thereby minimizing tube deformation during the crimp process, as shown. Maximum tube diameter for this tool is 1/4” diameter.

The PTX-809 crimp tool is currently a build-to-order tool. This tool is equipped with heavy duty jaws and jaw housing. The wider crimp profile produced with this tool demands the use of heavier jaw components. The crimp profile on the tubing is wider and flatter than the profile produced with the PTX-512.

**SPECIFICATIONS**

- **Weight:** 3-5 lbs. (6.6 - 11kg) (Depending upon model)
- **Length:** 9”-10” (228 - 254mm) Depending upon model
- **Diameter:** 2-1/2”- 3-1/4” (63.5 - 82.55mm) Depending upon model
- **Air pressure required:** 60-90 psi

When considering the use of these tools for your refrigeration application, we recommend that you provide us with samples of your tubing (6” or longer), in the condition it will be in when you are performing your tube crimps. This will allow us to verify that the tool will provide a dependable seal on your specific tubing. Samples can be sent to the address on the front of this document.