Intrustriction of the measuring syntages, values diffuer/dispenses, and robotic sample processor, as well as polymeric HPLC columns and resists. For additional information any of these product lines, please contact Hamilton Company or your local Hamilton representation. Hamilton Company or your local Hamilton Company or your local Hamilton representation. Hamilton Company or your local Hamilton Company or your local Hamilton representation. Hamilton Company or your local Hamilton representation. Hamilton Company or your local Hamilton Company or your local Hamilton representation. Hamilton Representation.	ect its dioac- t may 1 or ges that the 9 deter-	 iron, tubing holder and 3 flanging tips 88821 Heating Iron, 120 VAC	In the product of th	Fittings and Washers for 22 or 18 AW Tubing, Package of 10 Fittings and Washers for 12 AWG FEP	Two types of fittings are listed below: HV (Hamilton Valve) and IS (Industry Standard). The HV is used specifically when direct thread engagement into a Hamilton Valve is required. The IS is used in applications for general laboratory use and is not compatible with Hamilton Valves. FEP Tubing (Fluorinated Ethylene- CTFE Tube Fittings and Washers IS
	WARRANTY STATEMENT Hamilton Company unconditionally guarantees its products to be free of defects in materials and workmanship. Any product which fails due to such defects will be repaired or replaced at our discretion without cost, provided the device is returned with an explanation. It is the responsibility of the purchaser to determine the suitability of application and material compatibility of the products based on the published specifications of the products.	The Hamilton Flanging Tool Kit was designed to make precise flanges on 22, 18 and 12 AWG FEP (Fluorinated Ethylene-Propylene) tubing. The Flanging Tool Kit may not be suitable for other types of tubing or tubing with different outer or inner diameters. For best results, use only Hamilton premium quality CTFE (chlorotrifluorethylene) fittings, FEP tubing, and washers.	Congratulations! You have purchased the finest quality flanging tool avail- able today. We at Hamilton Company combine top quality materials with skilled workmanship, ensuring the highest possible performance level of every device we manufacture. With proper care and handling, this flanging tool will provide unsurpassed performance year after year.	FLANGING TOOL KIT	THE MEASURE OF EXCELLENCE. SM

TOOLS NEEDED

In addition to the Flanging Tool Kit, you will need a clean working surface, 120VAC power source, a sharp razor blade, a suitable container of cool tap water approximately 1" deep, and an adequate supply of tubing, fittings, and washers of the sizes required.

FLANGING TIP INSTALLATION OF THE

To install a flanging tip onto the flanging tool, follow these steps:

- Prior to heating, unscrew the metal cap on the end of the flanging tool (Figure
- 2 Select the flanging tip for the size tubing you have selected (12, 18, or 22 gauge) and insert it into the flanging tool.
- ယ Replace the metal cap over the flanging tip and screw it firmly into place.

HEATING THE FLANGING TOOL

allow the unit to heat for about 15 minutes To heat the flanging tool, simply plug it into a grounded 120 VAC wall outlet and

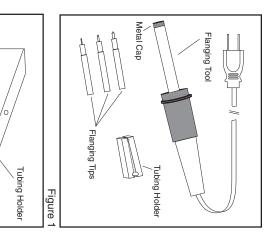
a temperature of about 750 °F at the tip. into contact with other materials that may be on the bench top. Do not touch the tip or allow it to come

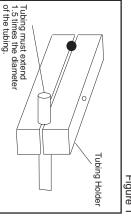
Figure

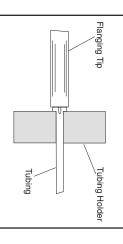
5

TO FLANGE FEP TUBING

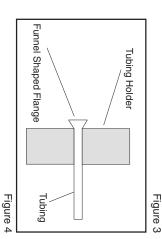
- Select the length of tubing you intend to end to produce a clean right angle cut flange. With a sharp razor blade cut the
- 2 Place the cut end of the tubing into the approximately 1 .5 times the outside diameter to protrude (Figure 2). tubing holder allowing for a length of
- ယ Firmly pinch the tubing holder between other, engage the heating iron tip with then squarely into the tubing (Figure 3) a slight orbital movement at first, and the fingers with one hand and with the
- 4 Remove the heating iron and tip from the tubing. As the flange cools, it will form the shape of a funnel (Figure 4).







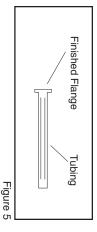
ω

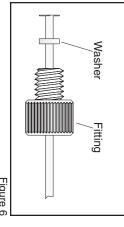


- ς still in place, into a container of cool push the heating iron tip into the tubing and firmly butt into the tube holder. Again holding the tube holder firmly, water. Immediately quench, with the heated tip
- 6. While the parts are still in the water, remove the heating iron tip from the tubing. Then remove the tubing.
- 7. Your finished flange should look like Figure 5.

end to the desired length. back-up washer and fitting onto the freshly formed flange (Figure 6), Cut the free tubing For single flanged tube assemblies, install a

finished product should look like Figure 7. freshly formed flange. Cut the tubing to the finished length allowing for the flange. Next, install the fitting and back-up washer for For double flanged tubing assemblies, first the tube as previously instructed. Your the second end of tubing. Proceed to flange install the back-up washer and fitting to the





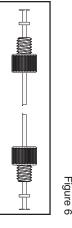


Figure 7



ω