

# KIMBLE

## Operating Instructions for Kimble Article No. 620F

### DIRECTIONS FOR ACID BOTTLE ASSEMBLY:

1. Connect the pipet (#1) and the filling piece of FLURAN<sup>®</sup> tubing which has been furnished. Replace tubing with FLURAN brand only. *Note: For extended durability, tubing should be flushed with water after each use. Also, tubing should be inspected regularly for hardening and/or cracking. Replace immediately if either of these conditions exist.*
2. Insert the pipet in the clamp (#2), but do not tighten the wing nut at this time.
3. Put the filling tube in the bottle, fitting the rubber stopper in the neck. By turning the stopper, adjust the distance between the pipet and the bottle so that the clamp doesn't exert strain on the pipet when tightened.
4. Attach the clamp (#2) to the neck of the bottle as shown.
5. Tighten the wing nut for both the pipet and the bottle.
6. Fit the rubber bulb on the end of the air vent tube (A). **IMPORTANT:** Do not cover the vent hole with the tubing! The tubing attached to the bulb should be left long. This enables the operator to adjust the length so that the bulb can be held in the palm of the hand, with the thumb covering the side opening in the vent tube. **CAUTION:** Do not interchange the tubing attached to the squeeze bulb with the FLURAN tubing used for connecting the pipet and filling tube assemblies. Tubing supplied with the squeeze bulb will not withstand direct contact with caustic solutions.

### DIRECTIONS FOR FILLING PIPET:

1. Squeeze the bulb with your left hand, holding your thumb over the vent hole (A) until the pipet fills to the inlet tip (B).
2. Uncover the vent and release the bulb. The excess acid in the pipet will now siphon back into the bottle, leaving the correct charge in the pipet.

**Notes:** Bottle has been tested for Sulfuric Acid or Babcock reagent. Do not use this bottle with other acids or solvents, since they may attack the stopper and other non-glass fittings.

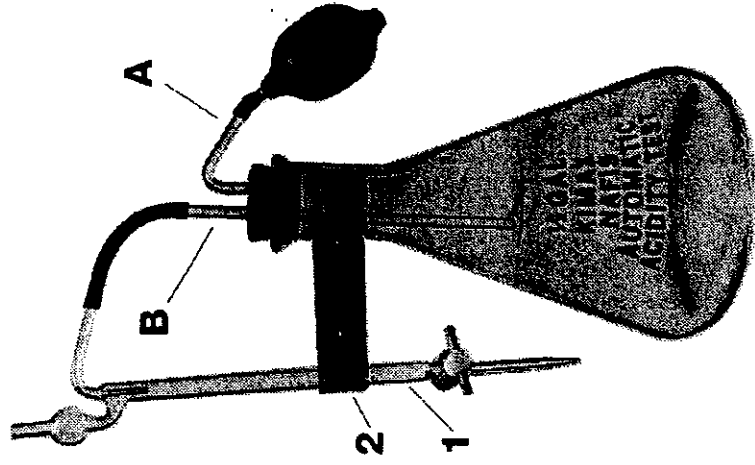
Always wear safety glasses and proper wearing apparel when handling liquids.

A face shield and apron should be worn at all times.

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### NOTICE:

The 620-J Neutralizer and 620-K Indicator are no longer included in this kit nor available from Kimble. The Neutralizer was a 3.78N Concentrate of Sodium Hydroxide which had to be diluted for use in this set. This solution in the required dilution and the indicator is readily available from most of our authorized dealers.

### Description:

Neutralizer = N/10 Sodium Hydroxide Solution  
Indicator = 1% Phenolphthalein (Kimble mix was 1% in 70% alcohol) (No Further Dilutions Are Necessary)