

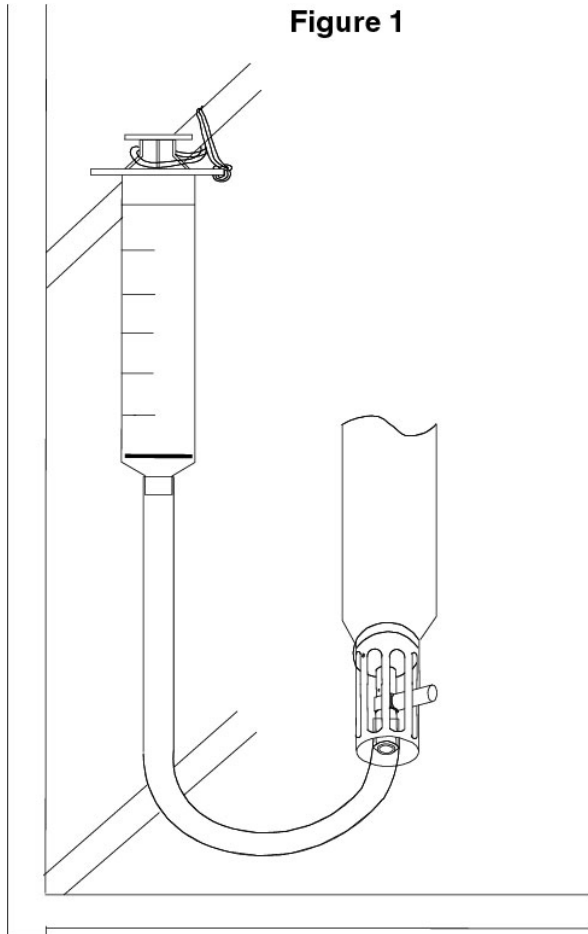


APPLICATION NOTE NO. 34

Revised January 2005

Instructions for Use of Conductivity Cell Filling and Storage Device PN 50087 and 50087.1

Figure 1



This application note provides instructions for use of PN 50087 / 50087.1 syringe and tubing assembly in rinsing, cleaning, and storing conductivity sensors. The tubing assembly consists of a length of 6.35 mm (1/4 inch) I.D. tube connected by a plastic reducing union to a short piece of 11.1 mm (7/16 inch) I.D. tube. Refer to *Application Note 2D: Instructions for Care and Cleaning of Conductivity Cells* for information on water and solutions recommended for use.

- SBE 9plus, 19plus, 25, and 49 are shipped with PN 50087.
- SBE 16plus and 16plus-IM are shipped with PN 50087.1, which includes the parts in 50087, plus hose barbs to replace the anti-foulant cap on the instrument. The hose barbs allow for connection of the tubing for cleaning and storing, as described below.

Procedure for Use

1. To fill the conductivity cell, draw about 40-60 cc of solution into the syringe.
2. Connect the plastic tubing to the TC duct intake on the temperature sensor [Figure 1] (or to the open end of the conductivity cell on systems without the TC duct [Figure 2]), and inject solution into the cell and pump plumbing.
 - CTDs with a TC duct or hose barb fitting - remove the plastic reducing union and connect the smaller diameter tubing directly to the TC duct / fitting.
 - CTDs without a TC duct or hose barb fitting (older instruments) - leave the reducing union and large diameter tubing attached and carefully connect the tubing directly to the end of the glass conductivity cell [Figure 2].
3. (If applicable) Loop the rubber band around a bar on the CTD cage and back over the top of the syringe to secure the apparatus for storage.

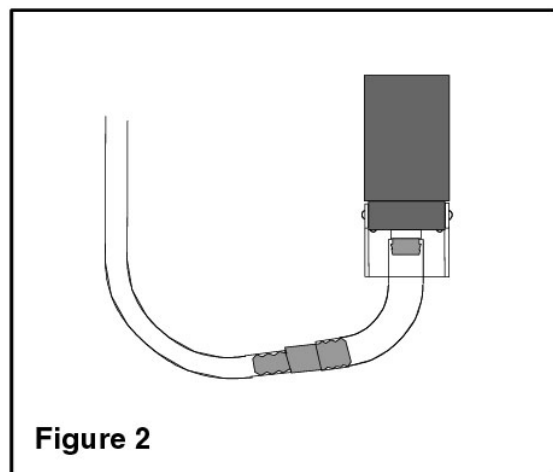


Figure 2

REMOVE THE SYRINGE AND TUBING ASSEMBLY BEFORE DEPLOYMENT!