

# PVDF By-Pass/Side-Stream pH and ORP Electrode Fittings without Temperature Compensation

## Product Instructions

### Description of Parts

FC60K modified 1" PVDF tee  
S653 Cap and cable assembly

### Mechanical Installation

Install tee in-line oriented  $>10$  deg above horizontal as shown in FIG 1. Use teflon tape or other pipe thread sealant to connect the FC60K into the pipeline. Take care to not overtighten plastic threads but make sure threads don't leak.

### Electrode Installation

Install electrode into FC60K tee assembly as shown in FIG 2. Make sure the o-ring on the electrode has a liberal coating of o-ring grease.

### Cable Considerations

Install cap and cable assembly by aligning tabs of electrode connector with notches in internal BNC of cap. Press down firmly then turn clockwise  $1/4$  of a turn to engage (SEE FIG 3). The exposed cable should be secured to prevent cable sway. For installing the cable in conduit, a threaded cable cap assembly should be used. Before the main rigid conduit, a short length of flexible, waterproof conduit should be used so that the electrode can be installed and removed from the mounting gland.

### Electrical Installation

The cable assembly connects the electrode to the pH preamplifier, transmitter or meter. It is usually supplied with connector(s) to match those of the pH meter.

