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APPLICATION NOTE NO. 70

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**Installing Anti-Foulant Device Mount Kit
 on SBE 4, 16, 19, and 21 Conductivity Cells**

This application note applies to the SBE 4 conductivity cell (used in a moored application), SBE 16 SEACAT Recorder, SBE 19 SEACAT CTD used in moored mode, and SBE 21 SEACAT Thermosalinograph.

Notes:

1. The SBE 4 is integrated with the SBE 26 SEAGAUGE Wave and Tide Recorder, SBE 26*plus* SEAGAUGE Wave and Tide Recorder, or SBE 53 BPR Bottom Pressure Recorder if the Recorder includes an optional conductivity sensor.
2. This application note **does not apply** to the *plus* or *plus* V2 SEACATs (SBE 16*plus*, 16*plus*-IM, 16*plus* V2, 16*plus*-IM V2, 19*plus*, or 19*plus* V2).

Part number 50315 is an external anti-foulant device mount kit. The kit contains:

| Part Number | Description |
|-------------|-------------------------------------------------|
| 233540 * | anti-foulant device caps (2) |
| 233564 * | external in-line anti-foulant device cups (2) |
| 30579 | 3/8 inch ID, 1/2 inch OD Tygon tube (6 cm long) |

* Previous versions of the kit contained white anti-foulant device caps (231505) and cups (231513), with dimensions identical to the black caps and cups.



Anti-foulant device cup Anti-foulant device cap

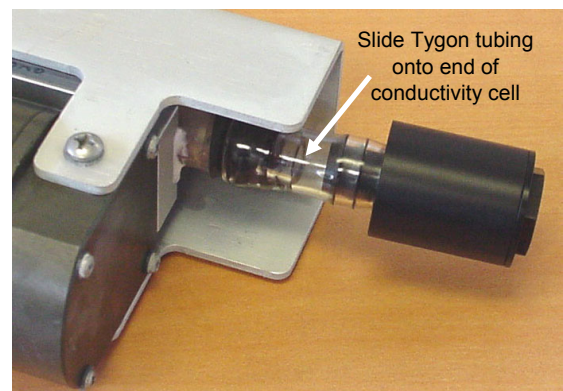
Order the PN 50315 mount kit and PN 801542 AF24173 Anti-Foulant Devices the first time you need Anti-Foulant Devices. Once you have the kit, you only need to order the AF24173 Anti-Foulant Devices.

External Anti-Foulant Device Mount Kit Installation Procedure

1. Cut two 3-cm long pieces from the Tygon tubing.
2. Place the barbed end of the anti-foulant device cup inside the Tygon tubing.
3. Screw the anti-foulant device cap in place. Do not over tighten.
4. Carefully slide the Tygon tubing over the end of the conductivity cell. **Do not apply any sideways or twisting motion to the end of the conductivity cell, or you may damage the cell.**
5. Repeat Steps 2 through 4 for the other end of the conductivity cell.



Tygon tubing and anti-foulant device cup and cap



SBE 4 shown; SBE 16, 19, and 21 similar