

## **Bio-Skirt™ Installation Instructions**

1. Select the appropriate number of Bio-Skirts according to the size of the SNOUT® as follows: For 12" and 18" SNOUTs or NP1218 or NP1524 (use one Bio-Skirt); For 24" and 30" SNOUTs or NP1830 or NP2430 (use two Bio-Skirts); 36" to 54" SNOUT (use three Bio-Skirts); for SNOUT sizes over 54" consult with BMP application engineer.
2. To optimally position the Bio-skirt, it should be centered across the width of the Snout, and placed vertically so that the blue webbing stripe with grommets will float approximately at the same elevation as the static waterline (see photo 3). To do this, place one anchor bolt on each side of the SNOUT at the invert of the pipe the SNOUT covers. If this is an existing Snout installation, follow the instructions below to secure the mounting bolts and clips, directly onto the structure wall to which the Snout is attached (see photo 1). You may also utilize existing bolts on either side of the Snout if it will allow the Bio-skirt to float at the static waterline.
3. Install the Anchor Assemblies and Clips s follows.  
For Concrete Structures:  
Mark the location of where the anchors will be placed:
  - (1) Drill a 3/4" hole into the base material to the required depth (approximately 1-1/4" deep.)
  - (2) Blow the hole clean of dust and other material.
  - (3) Insert the anchor into the hole. Narrow end of cone must point out, lead shield slides over cone.
  - (4) Position the setting tool or a 9/16 socket against the anchor outer sleeve. (The outer rim of the tool or socket should seat onto the lead shield rim.) Set the anchor by driving the lead sleeve over the cone using several sharp hammer blows. Be sure the anchor is at the required embedment depth (flush or slightly below face of concrete)
  - (5) Attach the clip, aligned vertically, onto anchor with the supplied bolt and washer. (see photo 1)  
Plastic Structure Install:
  - (1) Mark and pre-drill (To match holes in SNOUT®) six pilot holes (3/16") for the 14 x 1 1/4" SS self tapping hex drive screws provided in kit. Install 1/4 x 1" Neoprene Backed Washers on each screw and tighten to approximately 10-15 pounds.
  - (2) Attach the clip, vertically, onto anchor via supplied bolt and washer. (see photo 1).
3. Assemble the Bio-skirt tether, using the provided black adjustable hooks and blue elastomeric cord (see photo 2). Cut cord to length as needed.

4. Attach the Bio-Skirt using the two tethers, one per side, and four hooks, two per side, one hook attached to grommet and one hook to clip on each side.
5. For applications where multiple Bio-Skirts are deployed together for larger SNOUTs (e.g. on 24" and larger SNOUTs per schedule below), connect skirts grommet to grommet with hooks and cord as supplied in installation kit. Trim cord sections to length between Bio-Skirts to loosely span circumference of SNOUT.

**Bio-Skirt Installation Kit Items :**

- 2- 3/8" expansion anchor assemblies (anchors, stainless bolts & stainless washers)
- 4- Plastic Hooks(1) 1" or 2" female pipe adapter
- 2- Stainless Steel Connector Tabs
- 1- 6' Length Elastomeric Cord (cut two pieces to length)



Photo 1. Clip on SNOUT  
(Align vertically)



Photo 2. Hook and Cord Assembly

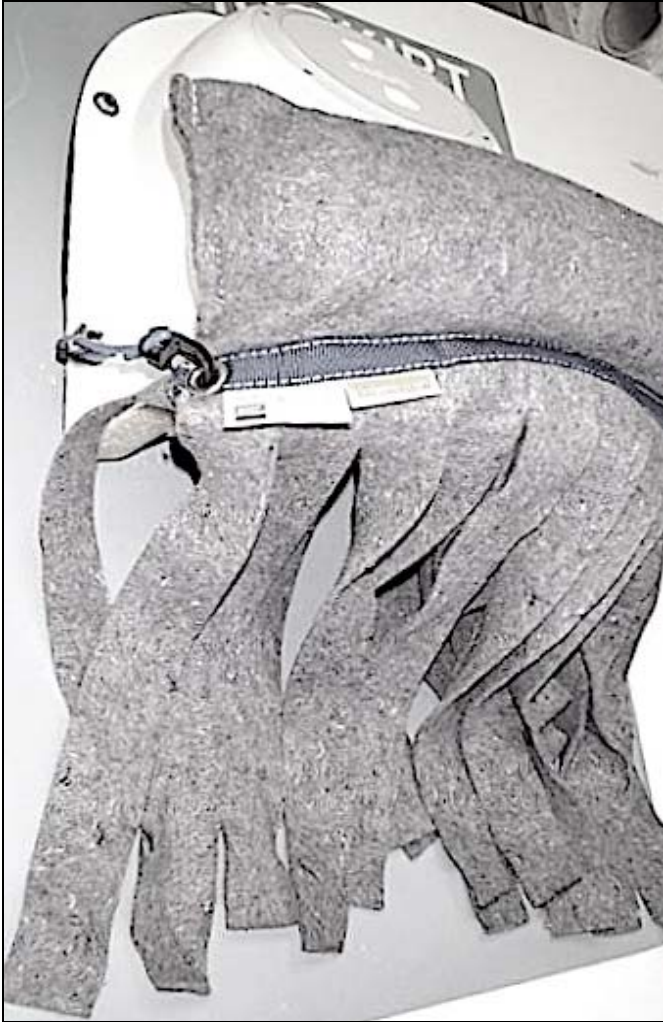


Photo 3. Installed Bio-Skirt, grommet and clip at static water line.

**Maintenance Note:** Should Bio-Skirt become saturated with oil, it can be wrung out and re-deployed. It can also be washed in a washing machine and re-deployed. The Anti-microbial properties of the unit will stay intact, even after washing. Dispose of any captured oils or the Bio-Skirt themselves according to local regulations.