

Internal Splice Box (SB)

Installation Instructions

Step 1: Drill Hole in Riser (If Necessary)

If the access riser hasn't been pre-drilled and grommeted for the splice box hole, continue with Step 1. If it has been, go to Step 2.

Step 1a: Measure and mark the location for the splice box hole on the outside of the riser or riser lid adapter— 6 inches down (152 mm) from the top.

- Choose the side of the riser closest to the panel.

Step 1b: Drill the splice box hole, centered on the marked location.

- Use a 1-9/16-inch (40-mm) hole saw for SB1-SB4 splice boxes.
- Use a 1-3/4-inch (44-mm) hole saw for SB5-SB6 splice boxes.

Using an Orenco® RKHS Hole Saw ...

- Make sure you're using at least an 18-volt drill.
- Cut the hole and grind the ribs down to make a flat, smooth surface.
- Only grind about 1/16 inch (1.6 mm) deeper than the base of the ribs.

Using a Standard Hole Saw ...

- Use the correctly sized hole saw to cut a hole, centered on the mark.
- Trim the riser ribs back 1 inch (25 mm) from around the splice box hole.
 - Use a grinder or cutting tool to notch the ribs through to the riser wall.
 - Use a hammer and chisel to break off the notched rib sections or use a grinder to grind the ribs off.
 - Use a grinder to make a flat, smooth surface around the splice box hole.

Step 1c: Clean and deburr the hole and flat surface.

- Be careful not to enlarge the hole.

Step 2: Install Splice Box

Step 2a: Apply a bead of ADH200 sealant/adhesive to the groove in the grommet's outer diameter and firmly press the grommet into the hole.

- 1-inch (25-mm) grommet is used with SB1-SB4 splice boxes.
- 1¼-inch (32-mm) grommet is used with SB5 and SB6 splice boxes.

Step 2b: Lubricate the outside of the conduit coupling and inside of the grommet.

Step 2c: Press the conduit coupling through the grommet in the access riser.

- Press the splice box snug against the inside wall of the access riser to allow easy installation and removal of filters, pumps, and other equipment.

Step 2d: Leave the waterproof wire nuts inside of the splice box; then install and secure the splice box lid.

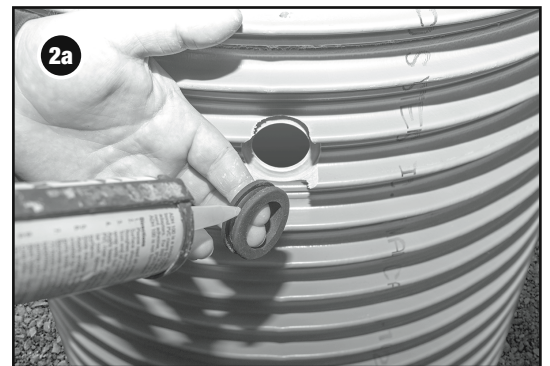
NOTE: For routing and connecting wires inside the splice box, see "Orenco Control Panels: General Installation and Wiring Instructions," EIN-CP-GEN-1.



Mark the location for the splice box hole.



Drill the splice box hole.



Apply sealant/adhesive.



Install splice box.