



Flexible Bulkhead and Ducted Bulkhead Boot (FBB & DBB)

Installation Instructions

Warning  Follow all federal, state and local laws governing the installation, testing and inspection of this product and its associated systems. When no other regulations apply, follow NFPA codes 30, 30A and 70 from the National Fire Protection Association. Failure to follow these codes could result in severe injury, death, serious property damage, environmental contamination and/or system degradation.

Caution  The part described in this document is one element of a system. All components of this system should be installed according to the manufacturer's specifications so that the system's integrity is not compromised. Test the complete system after installation according to all pertinent local, state and federal laws to ensure its proper operation. Failure to properly verify operation could lead to environmental contamination.

Note: When installing pipe into entry boots, piping must not be more than 15 degrees from perpendicular to the sump walls or the APT warranty will be voided. Entry angles in excess of 15 degrees from perpendicular can cause excessive stress, which may damage entry boots.

Note: Do not install pipe entries into the bottom of any APT sump.

Note: Bulkhead boots are designed to seal to flat-walled sumps and will **not** work with round sumps.

Procedure

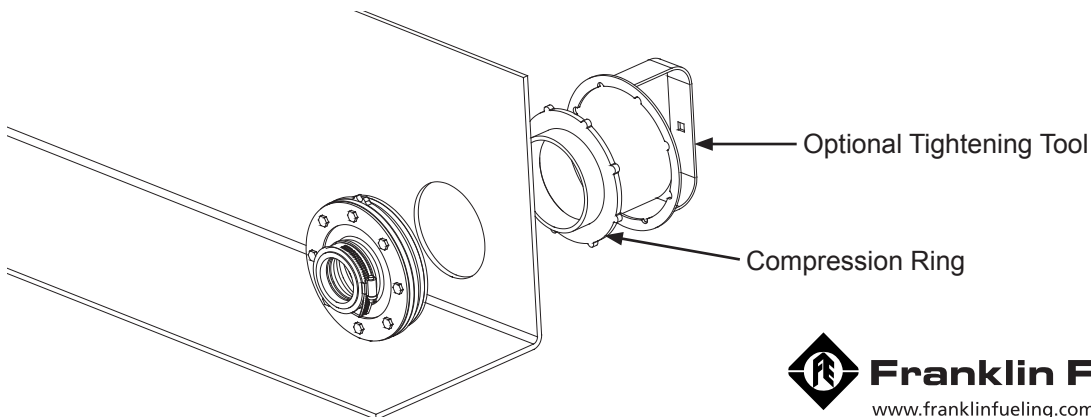
1. Using a hole saw, drill out the entry hole at the correct location. For a four bolt fitting, use a 2 $\frac{3}{8}$ " (6 cm) hole saw; for an eight bolt fitting, use a 4 $\frac{3}{8}$ " (11 cm) hole saw.
2. De-burr the hole to remove any rough edges. Remove the compression ring from the boot assembly.
3. Apply a urethane sealant to the fitting's rubber gasket where it comes in contact with the sump wall (optional). **Do not remove the gasket - it is permanently adhered to the fitting and removing it could cause the seal to fail.**

Note: APT recommends using Bostik 1100 (or equivalent) urethane sealant.

4. Thread the two bulkhead fitting halves together through the sump wall. The plastic compression ring goes outside of the sump while the boot portion with the gasket goes on the interior of the sump. The optional bulkhead tightening tool can be used to evenly distribute torque on the compression ring, but it can cause the compression ring's threads to jump or become stripped if too much torque is applied.

Note: After tightening the entry boot in place, proceed with installing the system as described in the manufacturer's instructions. After all piping connections have been made, tighten all of the band clamps to seal the entry boots onto the piping jacket and ducting as necessary.

Note: During piping installation, ensure that the scuff guard is trimmed back to the sump wall or the boots will not seal correctly to the scuff guard layer and system integrity could be compromised.



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