



# Swivel & Non-swivel Fittings (MS, FS & MN Series)

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## 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 and/or environmental contamination.

**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 or system degradation.

### General Installation

1. Coat the NPT threads of an APT fitting with a Teflon-based, gas and oil resistant thread sealing compound and thread it onto the mating connection.
2. Square off and de-burr the end of the pipe. If you are using SC (Secondary Contained) piping, cut back the scuff guard layer to the sump wall (approximately 9" in dispenser sumps) and cut back the SC layer 4½". For further cut back details, see the process's complete description in the *DWC-XXX Double Wall Cutter (SC) Installation Instructions* or in APT's *Installation Guide Overview*.
3. Push pipe through the appropriate entry boot in the sump wall, and install the air test boot (if required), but do not tighten the air test boot at this time.
4. Push the pipe onto the hose barb until the end of the pipe is flush with the flange.
5. Proceed to either the Two Bolt Fitting Installation section or the Four Bolt Fitting Installation section below based on your model type.

### Two Bolt Fitting Installation

6. Place the drilled and tapped compression clamp halves onto the fitting, making sure that the locking groove on the clamp is in the mating groove on the fitting.
7. Insert two hex head bolts with washers through the drilled clamp and thread them into the tapped clamp half.
8. Using a ½" socket, tighten the bolts in an alternating pattern until the clamps are metal to metal.

### Four Bolt Fitting Installation

6. Insert the (4) carriage bolts into one clamp half and slip the (4) nylon washers onto the bolts to keep them in place.
7. Place the clamp half onto the fitting, making sure that the locking groove on the clamp is in the mating groove on the fitting.
8. Place the other clamp half around the pipe and fitting.
9. Thread the (4) hex nuts onto the bolt and hand-tighten it.
10. Using a ½" socket, tighten the nuts in an alternating pattern until the clamps are metal to metal.



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