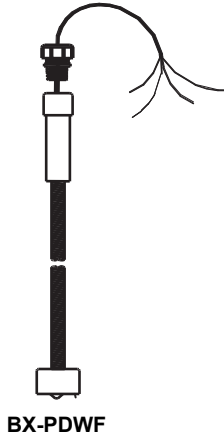


BX-PDWF Sensor

Installation Instructions

The BX-PDWF detects liquids and is used in double-wall fiberglass tanks with dry interstitial space. It combines optical and conductivity sensing enabling it to discriminate between water and hydrocarbons.



Riser Pipe for BX-PDWF

1. Locate the interstitial bung on the side of the tank that is at the lower end of the pitch (tilt).
2. Install a riser pipe into the bung.
3. The riser pipe must be 4" MNPT Schedule 40, threaded on both ends

Minimum Length Requirements

For this application, the minimum length of the riser must ≥ 18 inches so as to cover the handle on the BX-PDWF sensor.

Riser pipe maximum length requirements

1. Measure distance from grade level to the top of the tank.
2. Subtract 6 inches from the measurement in Step 1. This is the maximum riser length.

Note: The top of the riser should be no more than 18 inches below grade level.

For example: If distance from the grade level to the top of the tank is 50 inches, you would perform the following calculations:

50 inches
- 6 inches
44 inches

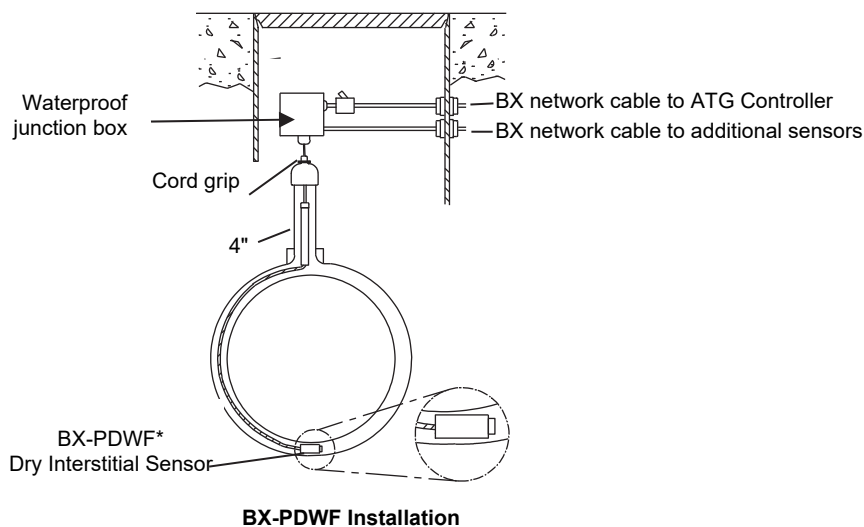
Therefore 44 inches would be the maximum length of the riser for this example.

BX-PDWF Sensor

Installation Instructions

BX-PDWF Installation

1. Carefully feed the sensor into the tank's interstitial space. As you push it, the sensor will move around the outside of the inner tank wall.
2. Keep pushing the sensor until the PVC handle contacts the inner tank. The sensor should now be at the bottom of the interstitial space.
3. Attach the 4" riser cap (supplied separately, Part# 4IN-CAP-S).
4. Install the $\frac{3}{4}$ inch NPT oil tight cord grip provided with the cap for strain relief.
5. **Be sure to seal everything properly to prevent water intrusion.**



Ensure that the sensor is the proper length for the tank prior to installation. Ensure that the sensor is accessible and replaceable from grade level.



Failure to comply will result in improper system operation.