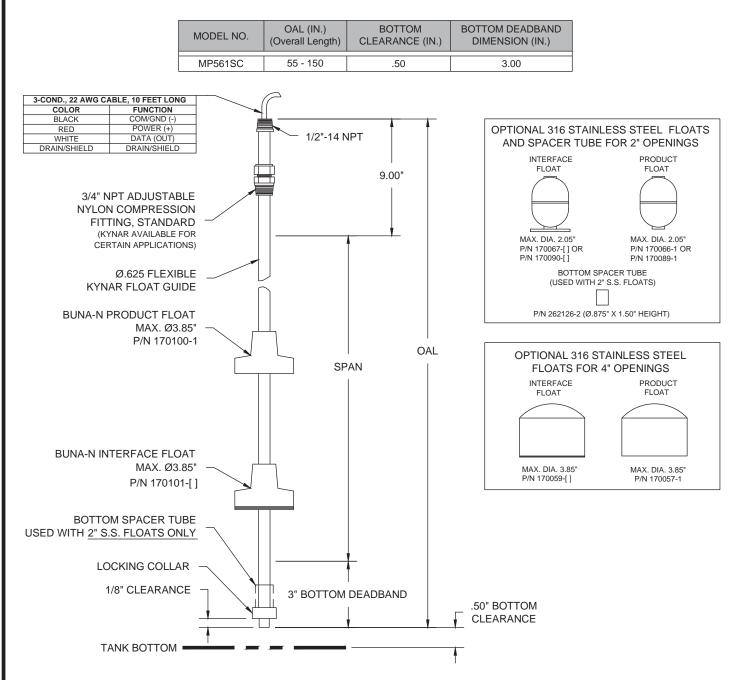


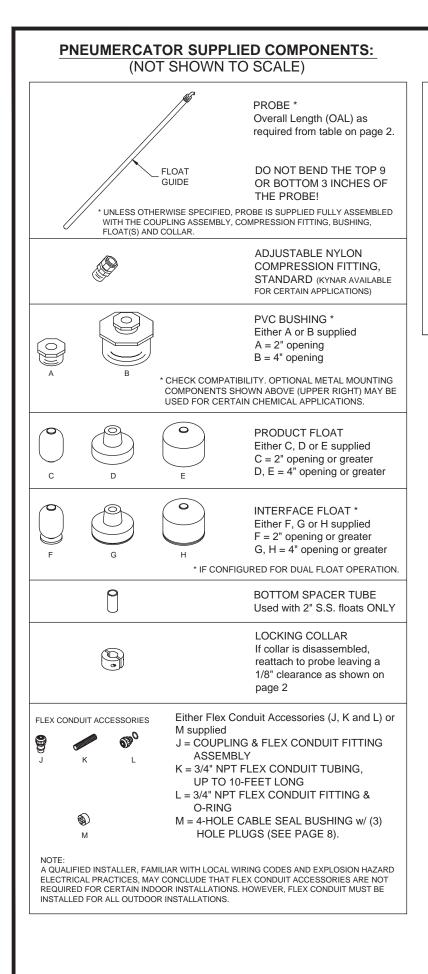
**PRODUCT DESCRIPTION:** MP561SC level gauging probes utilize proven magnetostrictive technology for accuracy and reliability. Probes are supplied with (1) product float for product level gauging and optionally (1) interface float for bottom water gauging. Additionally the probe contains either(1) or (5) thermistors for temperature measurement.



**APPLICATIONS:** The MP561SC Flex Probes are generally used for inventory management of tanks up to 12.5 feet tall where installation of a rigid probe is not possible due to a low ceiling clearance or chemical incompatibility.

**UNPACKING:** All probes should be visually inspected regardless of their shipping tube physical condition at delivery. Contact PNEUMERCATOR and the shipping company immediately if any of the parts (see page 3) are missing or damaged. During removal of the probe and it's associated parts from the shipping tube(s), IMPORTANT: DO NOT LIFT THE PROBE BY IT'S ELECTRICAL CABLE! DO NOT BEND THE TOP 9 OR BOTTOM 3 INCHES OF THE PROBE! DO NOT REMOVE PROBE TAG! Consult the factory if you are not sure that the parts you received are suitable for your application.

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### **CUSTOMER SUPPLIED COMPONENTS:**

(NOT SHOWN TO SCALE)

#### OPTIONAL METAL MOUNTING COMPONENTS



2" X 3/4" NPT BUSHING



#### BUSHING ASSEMBLY

Example: 4" X 2" NPT and 2" X 3/4" NPT bushings assembled for threaded openings greater than 2" NPT



MATING FLANGE

An appropriate bushing size must be used to connect the probe if the flange threaded opening is greater than 3/4" NPT.

# **INSTALLATION:**

## WARNINGS:

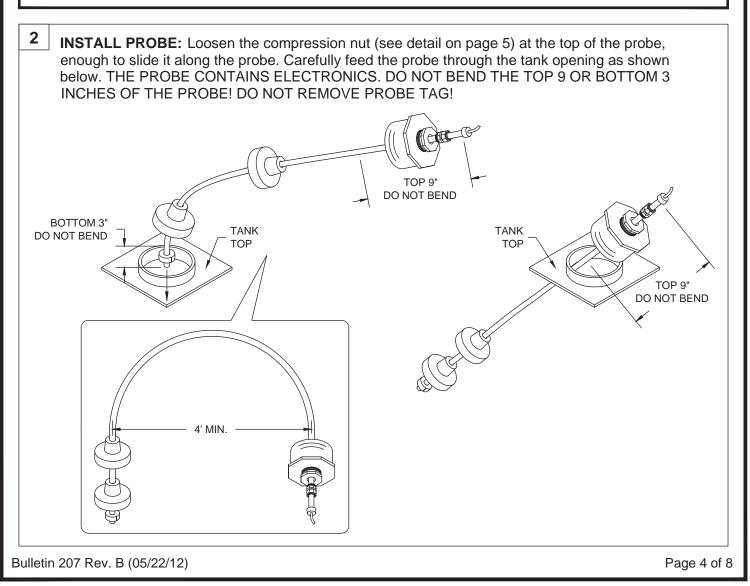
1

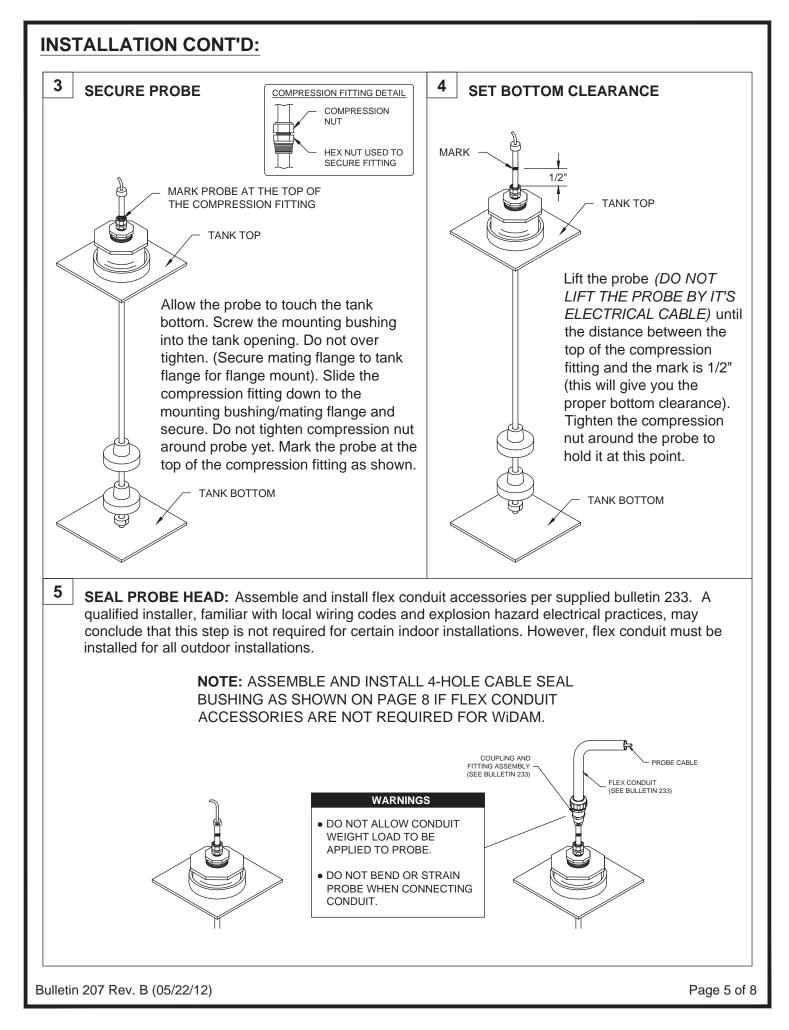
- Installation is only recommended at temperatures 30°F or above. Probe damage may occur as a result of handling at lower temperatures, voiding warranty.
- Installation must be done by a qualified person, familiar with local wiring codes and explosion hazard electrical practices.
- While handling the probe and during installation, DO NOT CUT OR MODIFY THE PROBE. DO NOT LIFT THE PROBE BY IT'S ELECTRICAL CABLE! DO NOT BEND THE TOP 9 OR BOTTOM 3 INCHES OF THE PROBE! DO NOT REMOVE PROBE TAG!
- Probe mounting location should be selected to minimize effect from turbulence. DO NOT LOCATE IN A DIRECT LINE OF INBOUND OR OUTBOUND FLOW.

Normally the probe is shipped fully assembled and ready for installation. However, if needed, assemble the supplied components as required before proceeding.

# 

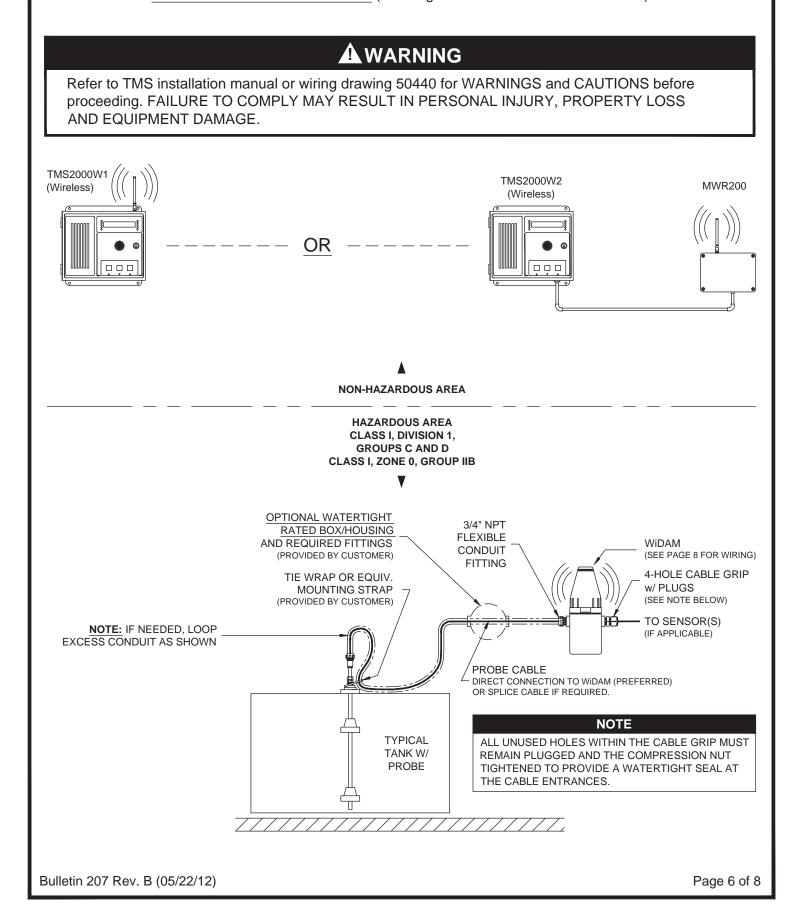
It is the INSTALLERS RESPONSIBILITY to ensure that they are adequately supported when handling the probe on top of the tank. FAILURE TO COMPLY MAY RESULT IN PERSONAL INJURY, PROPERTY LOSS AND EQUIPMENT DAMAGE.

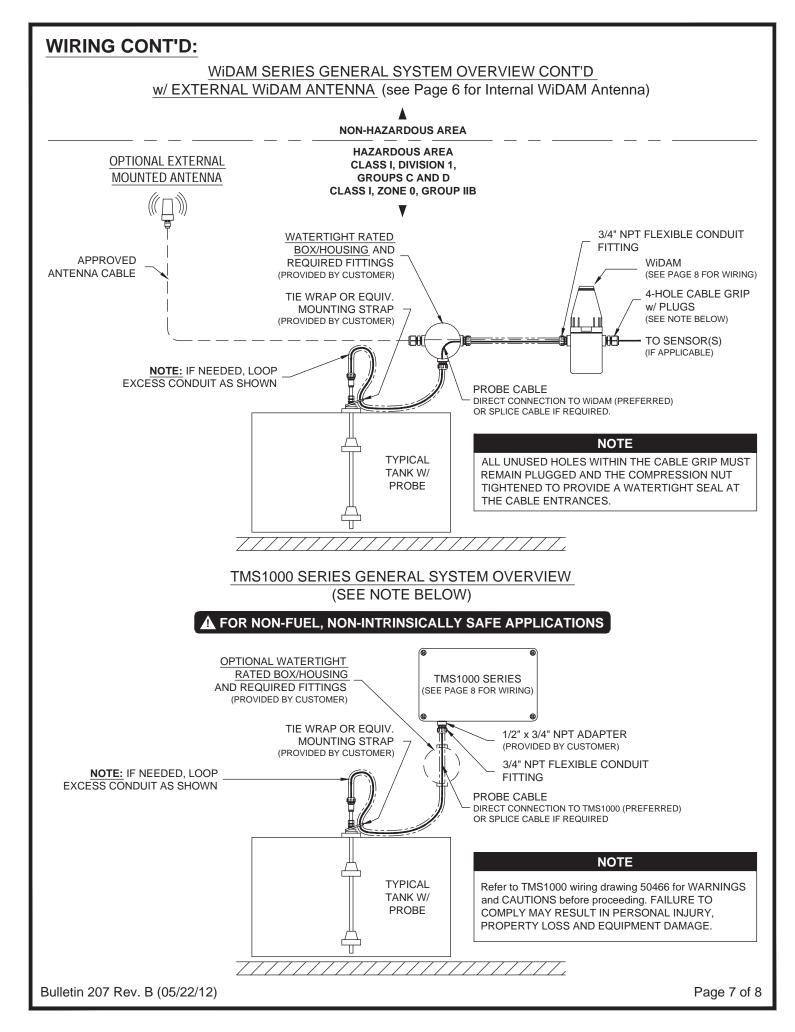






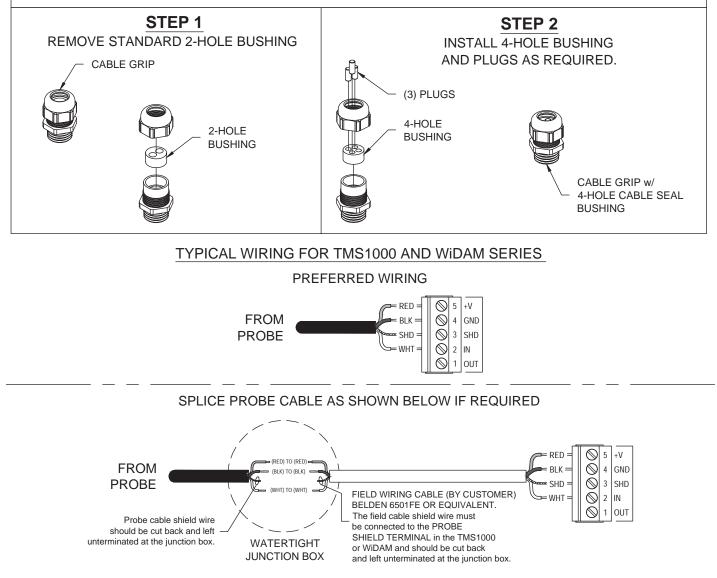
#### WIDAM SERIES GENERAL SYSTEM OVERVIEW w/ INTERNAL WIDAM ANTENNA (see Page 7 for External WIDAM Antenna)





## WIRING CONT'D:

**4-HOLE CABLE GRIP ASSEMBLY FOR PROBE:** THESE ASSEMBLY STEPS APPLY ONLY IF YOUR WIDAM IS EQUIPPED WITH A 2-HOLE CABLE GRIP AND INSTALLATION OF FLEX CONDUIT IS NOT REQUIRED. FOLLOW STEPS 1 AND 2 BELOW.



**PROGRAMMING:** Information necessary for programming this probe can be found on the tag attached to the probe. The top section has certification information and the bottom has information needed to program the <u>wireless</u> TMS console to communicate with this probe. Copy the information from the tag on the probe onto this sheet and onto the tank worksheet in the TMS Operation Manual for referencing when programming the TMS. USE THE EFFECTIVE LENGTH GIVEN ON THE TAG WHEN PROGRAMMING THE SYSTEM PROBE LENGTH PARAMETER. THE "SC" ON THE PROBE TYPE IS NOT NEEDED FOR PROGRAMMING.

PROBE NAME, LOCATION OR DESCRIPTION:	PROBE TAG EXAMPLE (BOTTOM SECTION)
SERIAL NO P/N: MP561SC Probe Type: MP561SC Effective Length:	BAGE PRIVE SERIAL NUMBER: XXXXX BAGE PRIV MP561SC (00)21 PROGRAMMING PROGRAMMING PROGRAMMING USE THIS VALUE FOR PROGRAMMING
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