Smart Gateway Pressure Sensor Kit for OMNI

Installation Instructions

REQUIRED SUPPLIES

- Thread sealant or thread tape suitable for potable water applications
- Wrench

Kit Parts for 1 1/2″-3″ Omni

Quantity	Part
1	1/4″ Pipe Nipple
1	1″ to 1/4″ NPT Bushing
1	1/4″ Ball Valve
1	Pressure Sensor (4-20mA)

Kit Parts for 4″-6″ Omni

Quantity	Part
1	1/4″ Pipe Nipple
1	1-1/2″ to 1/4″ NPT Bushing
1	1/4″ Ball Valve
1	Pressure Sensor (4-20mA)

Kit Parts for 8″-10″ Omni

Quantity	Part
1	1/4″ Pipe Nipple
1	1″ to 1/4″ NPT Bushing
1	2" to 1" NPT Bushing
1	1/4″ Ball Valve
1	Pressure Sensor (4-20mA)

BEFORE YOU BEGIN

Be sure the OMNI meter you are connecting to is not pressurized.

Step 1: Install the pressure sensor

1. Apply thread sealant or thread tape to the male threads of the bushings, both ends of the pipe nipple, and the threads of the pressure sensor.
2. Remove the plug in the OMNI meter's test port.
3. Screw the bushings into the OMNI meter's test port and tighten.
4. Screw the pipe nipple into the 1/4 inch threaded bushing connection and tighten.
5. Screw the ball valve to the other end of the pipe nipple.
6. Close the ball valve.
7. Return water pressure to the OMNI meter you are connecting to. Check the assembly and tighten to eliminate any leaks.
8. Open the ball valve slightly to bleed air from the assembly. Re-close the ball valve immediately when water escapes.
9. Attach the pressure sensor to the ball valve and tighten.
10. Check for any leaks and tighten accordingly.

Step 2: Connect the pressure sensor

Follow the 4-20 mA Sensor Connection instructions for the Smart Gateway to communicate pressure across FlexNet.

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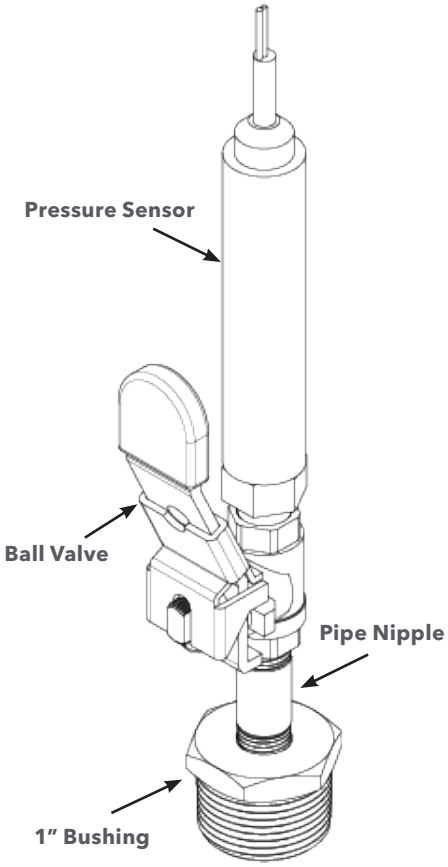
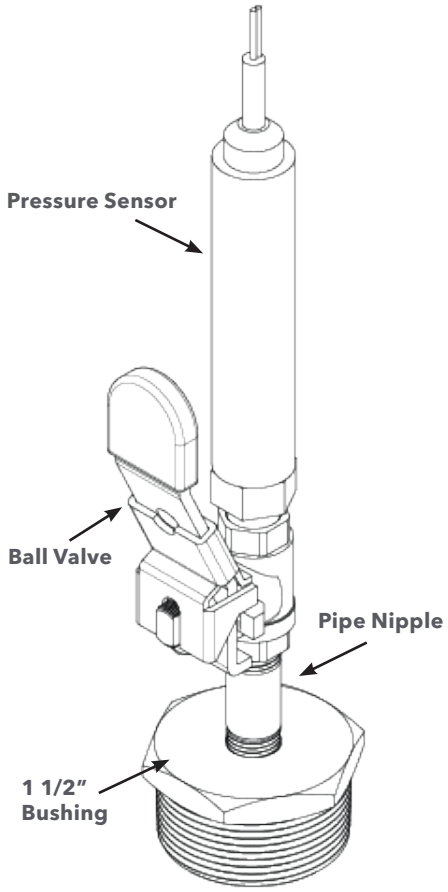
Smart Gateway Pressure Sensor Kit for OMNI

Installation Instructions

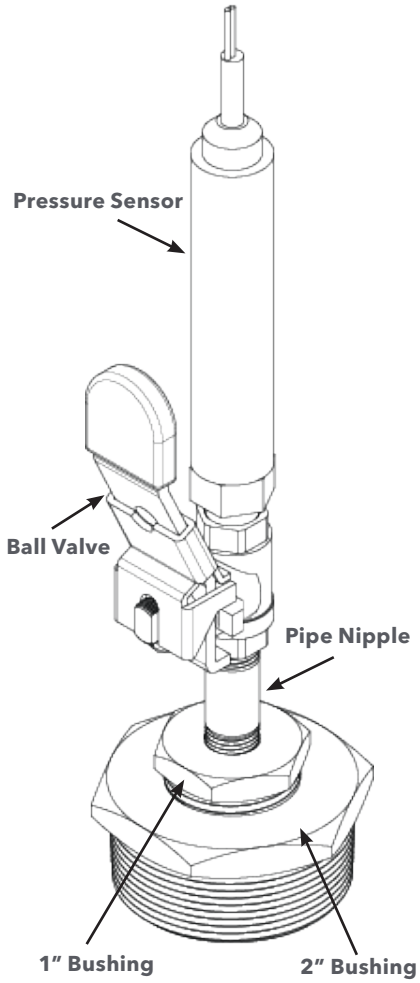
Pressure Sensor Kit for 1 1/2" to 3" OMNI Meters



Pressure Sensor Kit for 4" to 6" OMNI Meters



Pressure Sensor Kit for 8" to 10" OMNI Meters



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