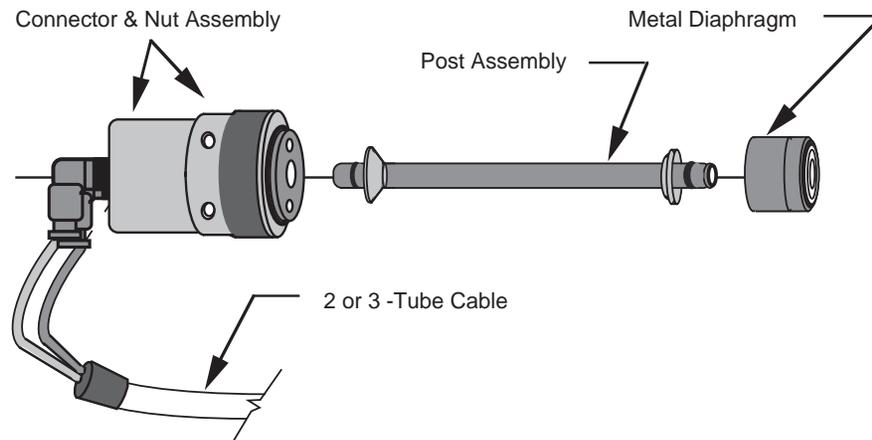


PNEUMATIC LEVEL SENSOR INSTALLATION

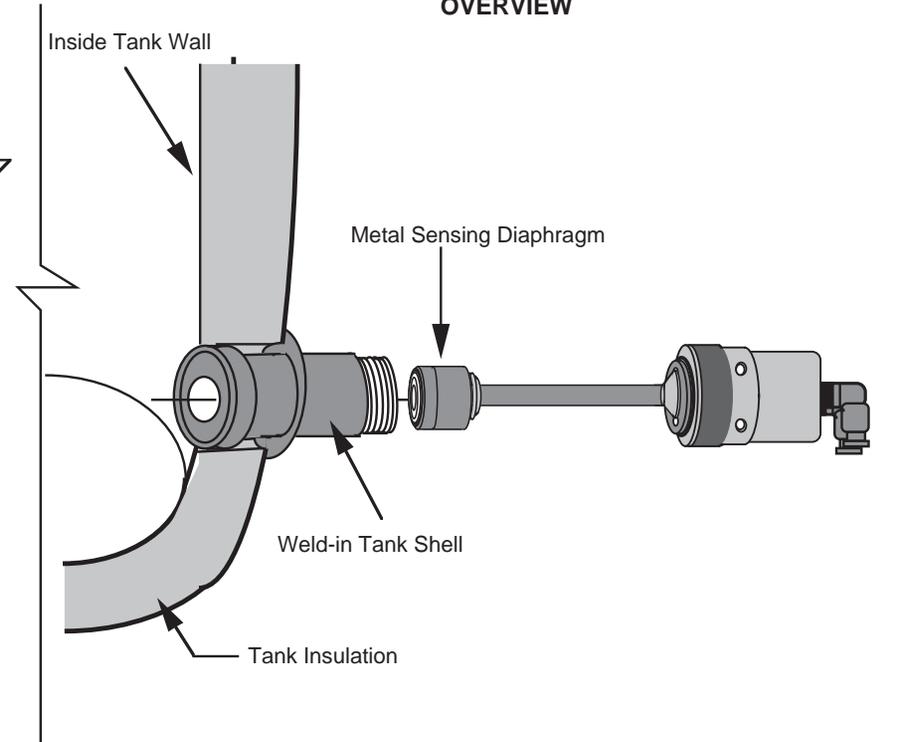
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STANDARD LENGTH LEVEL SENSOR

Accommodates tanks with insulated walls up to 6 3/4 " thick.



OVERVIEW

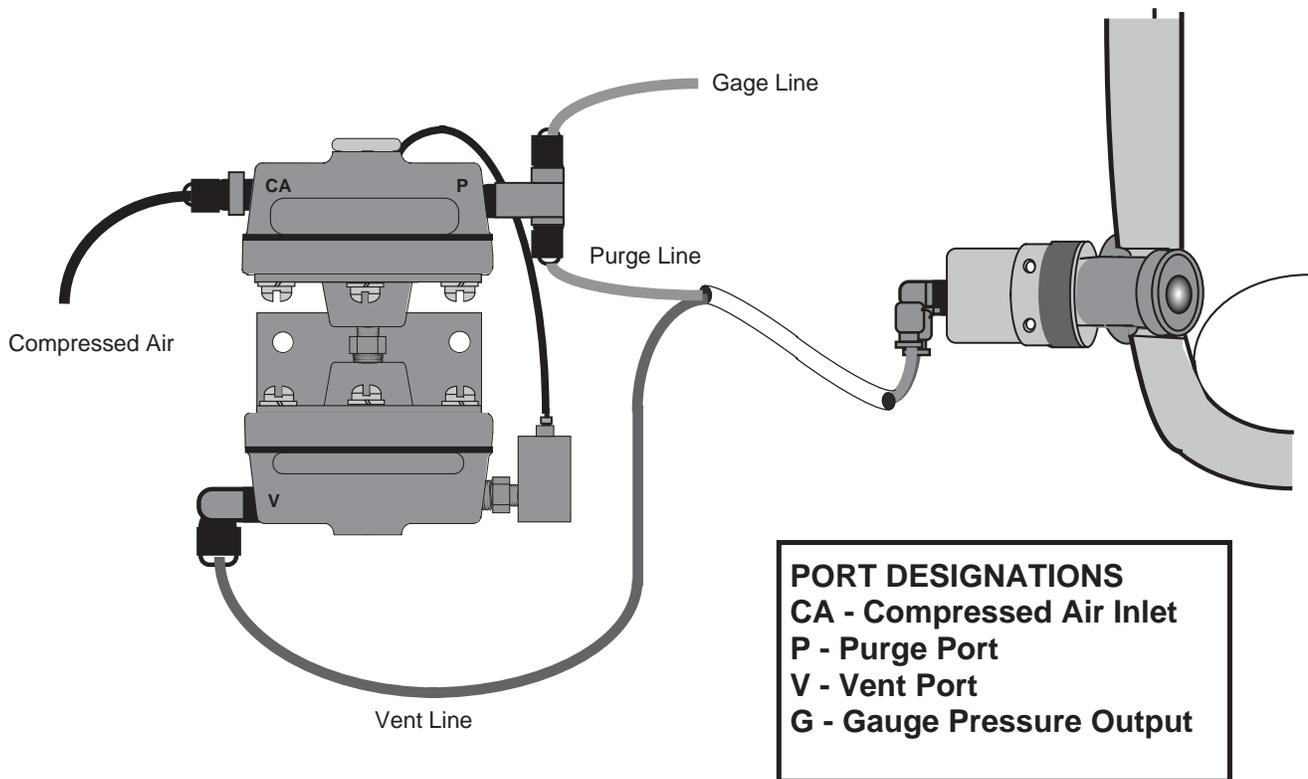


Metal Diaphragm

The Sensing Diaphragm is packaged separately to prevent damage during shipping. The metal diaphragm is extremely sensitive and should not be touched during installation. This sensing diaphragm does not require cleaning before installation and unnecessary handling should be avoided.

Installation of the Pneumatic Level Sensor

1. Discard plastic caps from the end of the post assembly and insert one end into the connector and nut assembly.
2. Remove diaphragm from separate container and insert onto other end of post assembly being careful not to handle the metal diaphragm end.
3. Carefully insert the assembly into the tank shell making certain that the unit is fully inserted. (If possible view the diaphragm from inside the tank to see that the O-ring is fully seated into the tank shell opening.) Thread nut onto shell and hand-tighten until snug. Use supplied spanner wrench and tighten an additional 1/4 to 1/2 turn while holding end of connector to prevent it from rotating.



TUBING CONNECTIONS

2 or 3-Tube Cable can be used for connections between the Sensor Control and the pneumatic level sensor.

Cut cable to desired length. Lightly score (DO NOT CUT) outer sheath approximately 9 inches from end of cable with knife or razor blade and peel off. This will prevent damaging internal tubes.

4. Connect red tube to "V" (vent) port on Sensor connector. Connect either black tube to "P" port. Remaining black tube should be cut off as it is not required.
5. Connect opposite end of red tube to corresponding "V" port on Sensor Control. The Black tube should be connected to the "P" port of the control. NOTE: be certain that this tube is the one connected to the sensor connector NOT the cut tube.
6. Connect a length of 1/4" O.D. tubing to the "G" port of the Sensor Control and route to Indicator.

COMPRESSED AIR SUPPLY

A clean, dry and oil-free compressed air supply must be connected to the Sensor Control. Even small amounts of oil or moisture can result in poor performance of the sensor. Select source of compressed air carefully to ensure that there are no combination filter-regulator-lubricators installed upstream. If necessary, install a coalescing type, sub-micron compressed air filter upstream of the Sensor Control.

NOTE: All newly-installed airlines should be blown clear with high pressure compressed air prior to making connection at "CA" port of Sensor Control. This will remove any metal shavings, dirt and possible condensation commonly found in new piping lines after installation.

8. Compressed air supply pressure required is 35-100 PSIG.
Minimum supply pressure can be calculated as 20 PSIG greater than the maximum anticipated tank pressure or 35 PSIG Minimum, whichever is greater.
9. Connect 1/4" O.D. airline to "CA" (compressed air) port of Sensor Control.