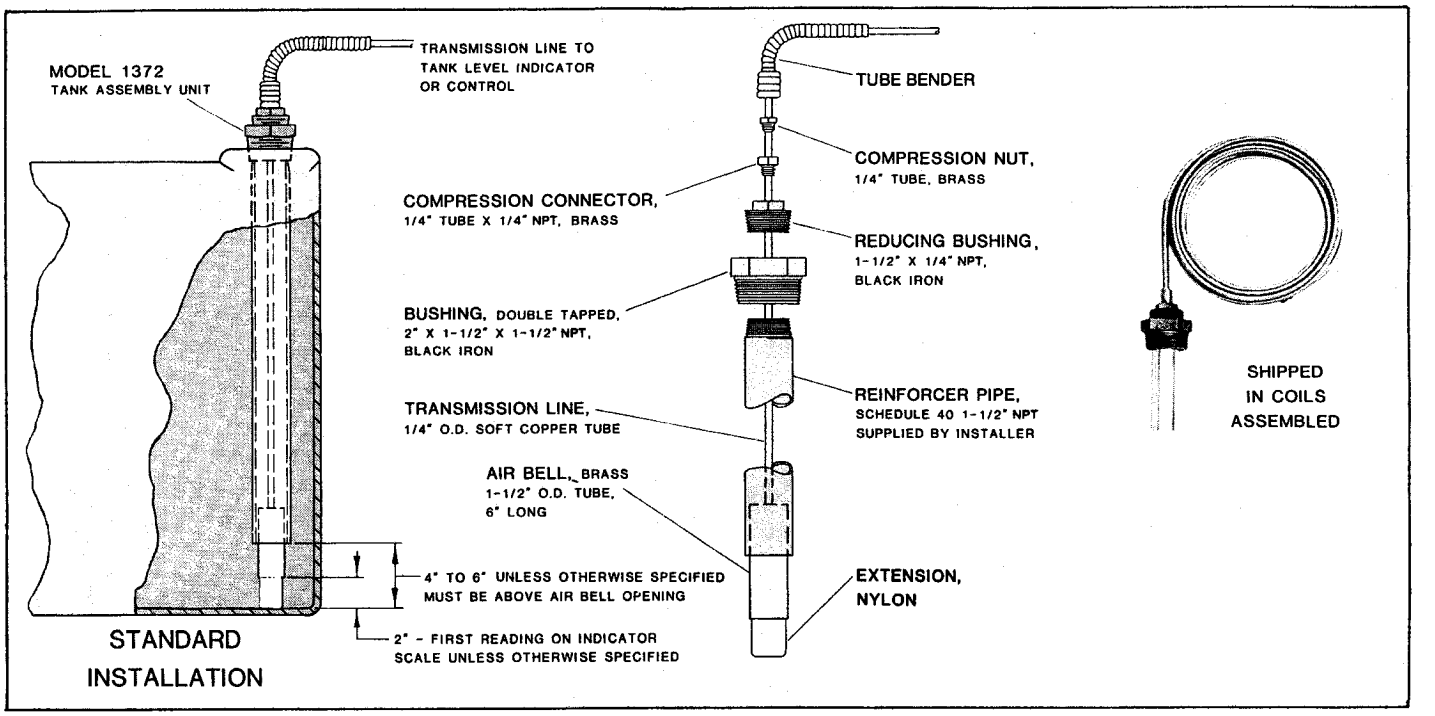
DESCRIPTION: The Tank Assembly unit is the pressure sensing and transmitting part of the tank gauge system. An open air bell, when filled with air, converts the weight of the tank liquid to air pressure. Tubing transmits this pressure to the tank gauge.

NOTES: 1. **THIS UNIT IS FOR TANKS 100% VENTED TO THE ATMOSPHERE.**

2. A 2" NPT tank top opening is required.

TO ORDER: Specify model 1372 Tank Assembly and length in feet. To obtain correct length: Measure distance from the indicator to the bottom of the tank. Units are available in lengths of 25, 50, 75, 100 and in multiples of 10 feet thereafter.

Approximate shipping weight: A 25 ft. unit is 5 lbs. Add 3/4 lbs. for each additional 10 ft.



INSTALLATION INSTRUCTIONS

REINFORCER PIPE: A Reinforcer Pipe (not supplied) of 1-1/2"NPT, schedule 40 pipe (not heavy duty), must be used to insure the proper positioning of the Air Bell. Cut the reinforcer pipe 4 to 6 inches shorter than the vertical depth of the tank. Thread one end of the pipe and ream both ends to remove burrs. **IMPORTANT:** Test the Reinforcer Pipe for free passage of the Air Bell. THE AIR BELL MUST PASS ALL THE WAY THROUGH THE PIPE SO THAT THE EXTENSION RESTS ON THE BOTTOM OF THE TANK.

THE MAJOR CAUSE OF INCORRECT INSTALLATION IS JAMMING OF THE AIR BELL IN THE REINFORCER PIPE.

Make up the reinforcer pipe into the 2" x 1-1/2" double tapped bushing and install in opening on top of tank.

AIR BELL: The brass Air Bell at the end of the transmission line is the "PICK-UP" device for the Petrometer Tank Gauge. Therefore, its position in the tank is of prime importance. The Air Bell Extension must be resting on the bottom of the tank to give accurate and correct tank gauge readings.

TANK FITTING: When the Air Bell Extension is resting firmly on the tank bottom, make up the compression fitting to lock the transmission line in place. This will permanently keep the Air Bell in position.

TUBE BENDER: Before bending the transmission line, slide the tube bender over the tubing, this will permit bending of the transmission line without kinking. Remove tube bender prior to making tube connection to tank gauge.

TRANSMISSION LINE: Uncoil the 1/4" O.D. copper tube transmission line carefully to avoid bending or kinking. Run the transmission line along with the suction or return line and if possible install in a manner that permits condensate to drain - pitched toward the tank avoiding dips and traps. The transmission line contains only air and may be cut to suit. If possible, the line should be one continuous run, thus eliminating the possibility of leaks at joints and couplings. When tubing must be joined in the field the connection **MUST BE ABSOLUTELY AIR TIGHT.** Protect the tubing by running through conduit or pipe. **DO NOT DIRECTLY BACKFILL OVER COPPER TUBING.**

Fittings **MUST** be made up **ABSOLUTELY AIR TIGHT** to obtain accurate readings. Ends of tubing should be cut square (use tube cutter) and deburred. When making up compression fittings, tubing must be seated and nut tightened with proper size open-end wrenches. Use no pipe joint compound on compression nuts.

TANK ASSEMBLY UNIT

MODEL 1372 — FOR 100% VENTED TANKS
CAN BE INSTALLED WHEN TANK IS FULL OR EMPTY

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