



Bennett Pump Company

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Distribution to: All Domestic and International Distributors and Service Representatives

Subject: Recommended procedure for mounting RF or WiFi Antennas to the top of our 3700 Commercial and 3800 Retail Electronic Models.

IMPORTANT NOTE: It is Bennett Pump Company's position that the only exit out of our upper electronic head area for Antenna Mounting is **DOWN** through our horizontal vapor barrier deck. **Any other exit penetration point(s)/method(s) will VOID ALL FACTORY WARRANTIES.**

We currently provide with our FMS Option (-F) one (1) plug on our horizontal vapor deck that when removed provides a factory penetration opening through our vapor barrier deck. In addition with the FMS Option (-F), we provide one (1) stub conduit, two (2) washers and two (2) nuts to be used on both sides of our vapor deck plate to provide a vapor tight seal around this point of penetration.

You must route your antenna wiring from the FMS Field Retrofit Kit, through this factory opening (stub conduit) DOWN into the lower Hydraulic cabinet area (Class I, Div 1 location) in explosion-proof conduit (s) and fitting(s). Be sure to pot/seal-off this stub conduit per the FMS Field Retrofit Kit instructions.

Once inside the lower Hydraulic cabinet area, if you route your conduit(s) over to either of our side walls (although opposite of Hose Outlet fitting is recommended in a single hose model), you can then turn up and route through our outer side wall (we call it our chimney). Continue on up the side wall chimney through the top black plastic cap cover of the side wall at the top of the cabinet. The FMS Field Retrofit Kit may provide a piece of sheet metal shaped to fit under this black plastic cap to give the plastic cap rigidity. If so, it will be supplied by the FMS company.

With this arrangement, you have the highest point on our dispenser cabinet at your disposal for Antenna mounting. Also, you have not done any field drilling of holes inside our upper electronics metal cabinet area and, therefore, no metal shavings have found their way into our electronic boards.

This is the cleanest method possible, which should lend nicely to both our electronics and the FMS Field Retrofit Kit's electronics continued reliability.

We realized two things in making this recommendation:

1. You can not mount the FMS Antenna(s) INSIDE our upper electronic area because the entire upper electronics area is metal and would not allow the antenna to perform efficiently.
2. You require one antenna per FMS Field Retrofit Kit and, as such, mounting on the top of our cabinet is a great advantage to you. Recommending routing to a common Area Light Pole or Canopy Column really isn't practical and, therefore, would not be adhered to in the field.

Call Bennett TechHelp with questions: 800/423-6638.