

Technical Service Bulletin

COMPLIANCE: **ADVISORY**

SUBJECT: **Installation of condensation shield**

AFFECTED UNITS: **GPS-iMOD® UNITS**

DESCRIPTION: In instances when GPS-iMOD is installed near humidifiers or downstream of cooling coils, condensation may form on the ionization bars.

RESULT

The above conditions can result in lower than expected ion densities downstream from the GPS-iMOD bar.

SOLUTION

Installation of a condensation shield over the modular iMOD ionization bars.

ACTIONS (see accompanying figure on next page)

1. Select a suitable conductive material such as galvanized sheet metal for the shield.
2. The sheet metal should run the length of the GPS-iMOD ionizer bar and cover the upstream wall of the bar.
3. The sheet metal should not extend below the body of the ionizer, ensuring that the emitter tips have direct exposure to the airstream.
4. The shield should be secured using self-tapping sheet metal screws (**taking care not to puncture or otherwise damage refrigerant lines, coils, or electrical components**), or by using sufficient magnets fastened through to the GPS-iMOD ionizer bar to support the assembly.
5. The GPS-iMOD should not be touching the shield or the coil

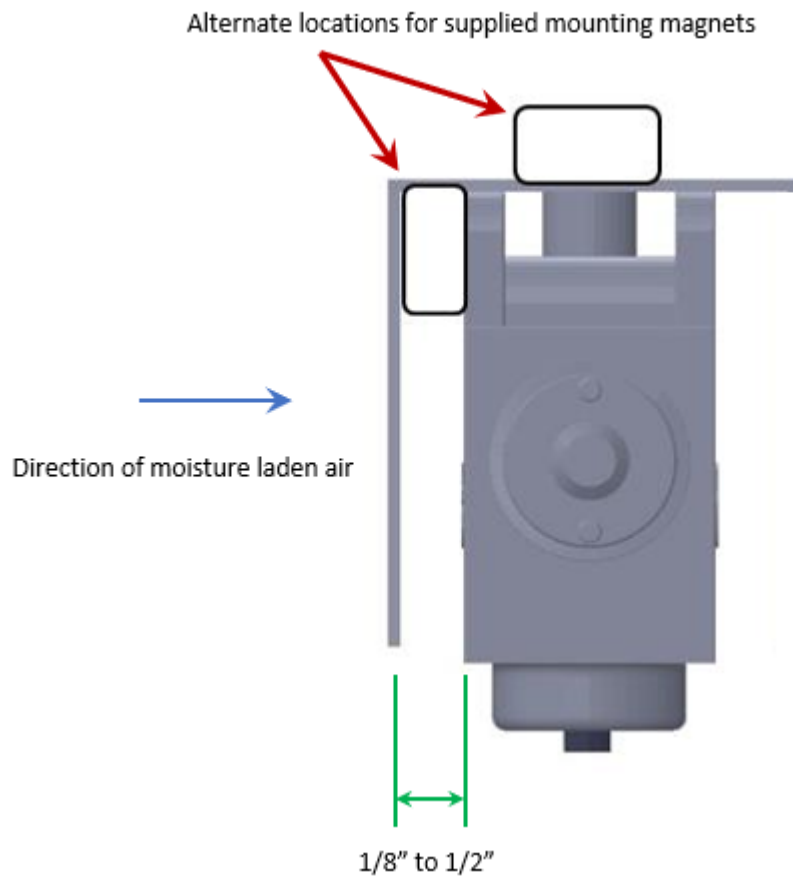
Note:

- The iMOD power supply should be de-energized (turned off) during installation.
- Ensure that the shield bracket is grounded to the GPS-iMOD power supply.
- The clearance between the GPS-iMOD bar wall and the bracket should be no smaller than 1/8" and no larger than 1/2".



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Figure 1
(side view of shield)



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