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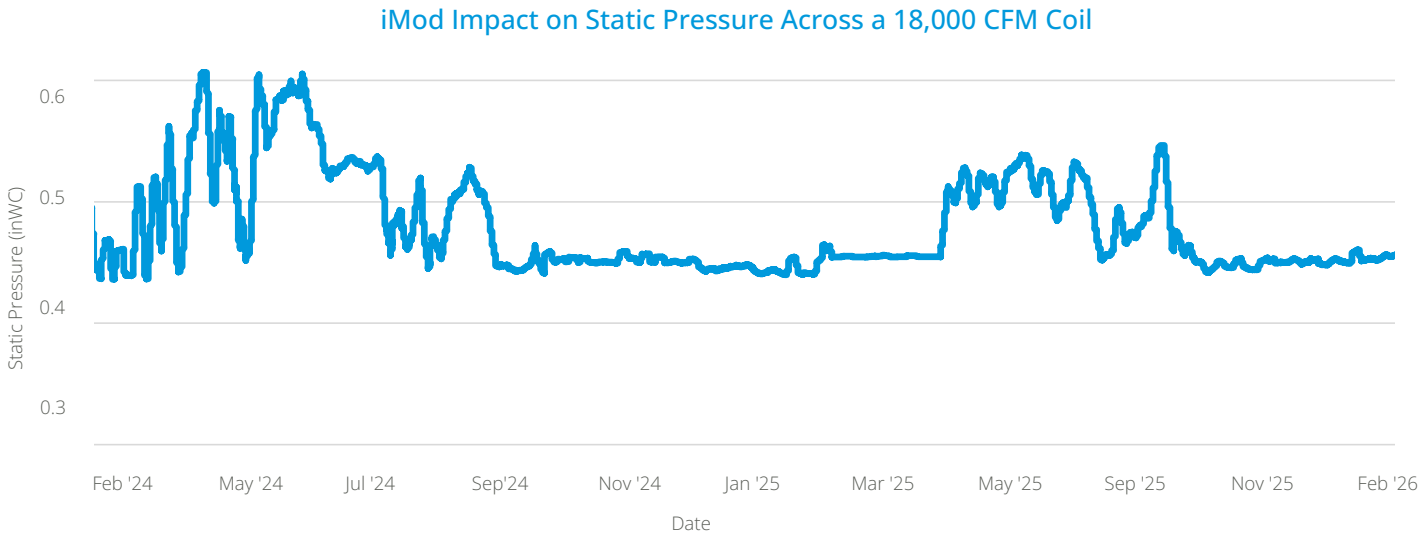
iMod® Coil Cleaning with ROI: Lower Static Pressure & Higher Efficiency

GPS Air's iMod - a modular high output ionizing system - helps clean deep-row coils fouled by biofilm. Even on clean coils, iMod helps keep static pressure lower by limiting the biofilm buildup that increases static pressure and load on fans and chillers. **iMod helps HVAC systems operate efficiently; lowering fan power and chiller load leading to a Return on Investment (ROI).**†

Keeping a Coil Clean Case Study

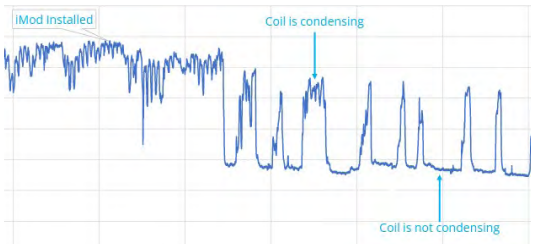
A 18,000 CFM air handler at a large healthcare/life sciences company approached its cleaning cycle in early 2024. The design static for the system was 0.45 inWC and was consistently reaching 0.65 inWC in operation. Instead of shutting down the air handler for a costly deep clean, **iMod was applied and static pressure trended down to design static and has held steady over 24 months.** This deferred costly cleaning while providing longer up-time. The chart shows static pressure across the coil decreasing while the iMod provides coil cleaning and maintains a lower pressure threshold.



Solution Detail

iMod increases efficiency in air handlers with deep row coils by keeping coils cleaner. Ionization limits biofilm by interfering with the reproduction of molds and bacteria in the cold, damp environment of an air handler. Another example, on right, shows the efficiency gain at a hospital in North Carolina.

iMod is a modular ionizer for deep row coils; mounting on the air-entering side of the coil. Detailed design guides and more successful case studies are at **gpsair.com**. Unlike UV lamps, iMods have no replacement parts and simple maintenance.



† Efficiency gains are based on HVAC conditions and operating profiles. Contact your local rep/GPS to learn more and/or to share your own iMod success story.