

FAQ's

Variable Mass Flow Package (VMF)

Optimized By Smart Compressor Control (SCC) Technology



Q: What compressor types does the Variable Mass Flow Package (VMF) work on?

A: The VMF works on scroll, reciprocating, screw and any open type or semi-hermetic compressors.

Q: Do I need anything else with the VMF?

A: The VMF comes pre-wired, pre-programmed, ready for plug and play installation.

Q: Will installing the VMF interfere with my existing controls?

A: No, the VMF does not interfere with any existing controls. If the existing control shuts the compressor down, the VMF will shut down too.

Q: Does the VMF use pressure sensors?

A: No, the VMF is unique and only uses temperature sensors to modulate compressors similar to VRF technology.

Q: What kWh savings can I expect?

A: We are seeing between 25% and 50% savings on average, but we have seen as high as 60% savings!

Q: Where has the VMF been installed?

A: We have installations in the most rigorous climates in the world, from the coldest temperatures in Russia to the hottest climates in Saudi Arabia.

Q: What type of systems have you installed the VMF on?

A: We have installations on refrigeration racks, single compressor refrigeration systems, air-conditioning rooftop packaged units, air-conditioning DX splits, and air-cooled chillers.

Q: Are all 3-phase compressors compatible?

A: Yes, 208/220V 3-Phase, 380/480V 3-phase and 500/600V 3-phase are all compatible.

Q: Are all refrigerants compatible with the VMF?

A: Yes, all refrigerants are compatible with the VMF.

Q: Can you install on fan motors?

A: Yes.

Q: Can the VMF be installed on a heat pump?

A: Yes.

Q: Will the VMF eliminate the need to set unloaders?

A: Yes, it will.

Q: I am a contractor that wishes to sell your product. What are the conservative savings that I can promise my customer?

A: We always say that the savings are derived from the customer's consumption; however, if the compressor is sized correctly for the application, you can easily achieve an average annual savings of 30% on the entire system.

Q: I am a contractor. How do I purchase your product?

A: You can purchase our product from one of our national distributors. If you contact us, we can let you know which ones are in your area.

Q: I am an end user. How can I purchase your product?

A: You can purchase our product from one of our national distributors. If you contact us, we can let you know which ones are in your area.

Q: Does the VMF help with the new 2023 HVAC SEER's Regulations?

A: Yes, the regulations are for new products; however, if you have a new 2022 model that does not qualify with the new 2023 SEER regulation, you should be able to qualify with our VMF package.

Q: Does the VMF help reduce my carbon footprint?

A: Yes, if you are saving any electrical consumption, you are helping the environment by reducing your carbon footprint.

Q: Will the VMF help me comply with government-mandated energy reductions?

A: Yes, it will. The VMF qualifies to help you comply with Local Law's in NY & MA.

Q: Are utility rebates available for the VMF?

A: Yes, please get in touch with us for more information.

Q: Would this product extend the life of my compressor?

A: Yes. If the system is regularly serviced, the lifespan of the existing compressor should increase.

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