



VRF just got a whole lot easier.

Geniox+ is simply the smartest, easiest way to provide fresh air to any VRF system.

- **Integrated VRF module**

Full VRF integration within the AHU, installed and piped (optional) at our factory with tailored Systemair controls (optional).

- **Factory coordination**

When the factory installs your VRF components within the Geniox+, you save time, you save on installation headaches, and you save on back and forth coordination, ensuring a seamless project management process.

- **In-house controls integration**

Easy, integrated, optimized communication between Geniox+ and VRF system, ensuring less time networking with on-site BMS system. The controls package comes delivered and working together.

- **High performance casing design**

Thermal break and double walled R-14 foam injected panel design ensures minimal thermal transmittance and bridging for superior energy efficiency, which translates to greater savings.

- **More filtration options for better IAQ**

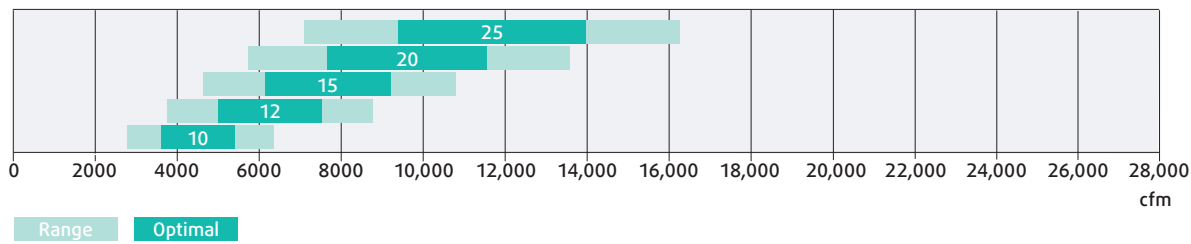
Compact bag filters, Merv9/14 and Panel Filters, Merv8/13, promotes a clean, healthy environment.

- **High efficiency unit**

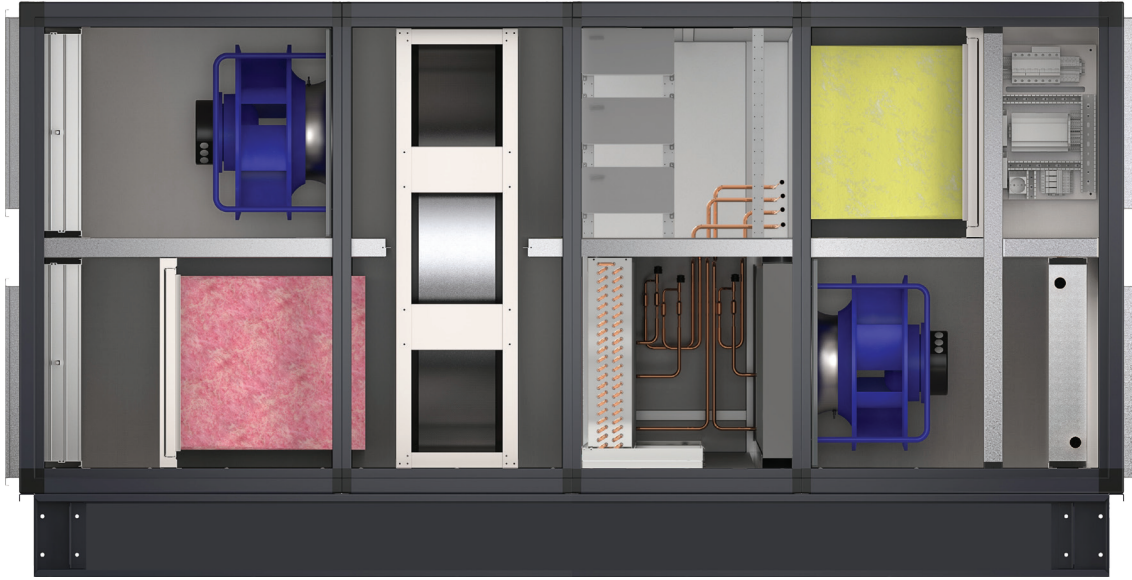
High efficiency air handling unit coupled with the energy savings of a VRF system = more savings and an efficient overall building system.



GENIOX+ WORKING RANGE



INNOVATIVE FEATURES OF GENIOX+



Casing. High performance casing for minimal energy loss.

- Thermal break casing design
- Double wall panel, 2.4" R-14 injected foam insulation
- Minimized air leakage rate with a complex gasket design (< 1% @ +/- 8" w.g. ASHRAE 111 SMACNA Class 6)
- < L/240 @ +/- 8 in. w.g. panel and door deflection

Panels. Elimination of thermal bridges due to separation between inner skin and outer skin with a plastic gasket on the edges and removing metal-to-metal contact.

Frame/profiles.

- High corrosion resistance
- Galvanized G90 steel profiles
- External powder coated, galvanized steel profiles
- Internal aluzinc

Filters. Compact bag filters, Merv9-Merv14, ensure a low initial differential pressure. Panel Filters, Merv8-Merv13, are also available.

Energy recovery (optional). High quality and energy efficient Wheel (Sensible, 3A Enthalpy) exchangers are available.

Fan/motor. Variable-speed EC motors, or AC motors with optional factory VFD ensures your selection of the most energy efficient system.

Base Frame with Factory Supplied Roof Curb. The new base frame combined with the roof curb also ensures protection from water ingress into the building through the roof.

VRF Module. Integrated VRF module, specific to each VRF manufacturer.

VRF DX primary coil. Primary cooling coil installed within the Geniox unit by Systemair.

VRF Reheat coil. If applicable, secondary coil for reheat, installed within the Geniox unit by Systemair.

VRF Electronic Expansion Valve installed in the air handler. EEV kits piped and installed within the air handler to control the flow of refrigerant entering the coil.

VRF Communication Modules installed at our factory. Ensure proper communication between AHU and VRF system – wired and installed safely within the air handling unit cabinet to the Geniox controller.

Factory piping for full VRF refrigerant integration. Remove the complexity of piping in the field. Piping is brazed and soldered with care and craftsmanship to ensure no leaks and perfect refrigerant flow. This provides easy connection between Geniox+ and outdoor condensing units.

Factory wiring to control module. Geniox controls experts carefully wire the VRF kit (EEV & Communication box) to the AHU Control panel for seamless operation and reduced work load in the field.