



Modular Air Handlers

new product offering

SBM

- » Modular construction allows footprint savings by stacking modules in two-high configuration
- » Single wall and double wall-galvanized construction equipped with removable access panels/hinged doors for improved accessibility and serviceability
- » Hot Water, Chilled Water, Steam, and Direct Expansion (DX) coils available
- » Blow-thru electric heat with single point power connection
- » Customized options including double-sloped IAQ galvanized drain pan, direct drive plenum fans, high-efficiency filters, double wall perforated lining, external face and bypass dampers, and inspection windows
- » 600 - 10,000 CFM nominal airflows



SBM

AVAILABLE MODEL:

SBM

OVERVIEW

Superior Rex modular air-handling units are equipped with the design flexibility to meet specific project needs. SBM design allows you to configure draw-thru applications in horizontal, vertical and footprint saving arrangements. SBM sets the new standard for quality, flexibility and competitive pricing. These products are engineered to satisfy the most basic air-handling requirements, to those associated with sophisticated isolation room systems required to meet challenging indoor air quality (IAQ), controls and sound sensitive projects.

OPTIONAL FEATURES INCLUDE:

Construction

- » Double wall (solid or perforated) cabinets
- » Stainless steel IAQ drain pan with stainless steel male pipe threaded connection
- » Fan discharge arrangements
- » Scrim reinforced foil faced insulation
- » Hinged access panels with lift and turn fasteners
- » 4" Base rails with rigging slots factory assembled and installed

Fan Motor and Drive

- » Direct drive plenum fans with internal rubber-in-shear (RIS) isolation
- » TEFC motors
- » High efficiency motors
- » Two-speed motors with contactors
- » Variable frequency drives, factory installed (mounted and wired)
- » Motor starter (contactor with overload for three phase; contactor for single phase), factory installed (mounted and wired)
- » Return FC and plenum fan sections



See website for Specifications

Coils

- » 3, 4, 6 and 8 row chilled water or DX coils
- » Up to 4 rows hot water or up to 2 rows standard steam
- » Heating coil in preheat or reheat position
- » Coil connections opposite handing. All coils shall be hydrostatically tested at 450 PSIG air pressure under water, and rated for a maximum of 300 PSIG working pressure at 200°F.
- » Stainless steel coil casings
- » 0.025" tube wall thickness
- » Auto air vents

Filters and Filter Rack

- » 4" high efficiency pleated filters (65, 85, and 95%)
- » Mixing box with filter sections (flator v-bank filter arrangements)



A Participating Corporation in the AHRI 430 Certification Program

Inlet Damper Section

- » Factory assembled and installed
- » Heavy gauge galvanized steel formed blade dampers
- » Low leak dampers with extruded vinyl blade seals and flexible metal jamb seals
- » Medium and large inlet plenums with v-bank or flat filters
- » Parallel blade operation
- » Interconnecting damper linkage
- » Damper actuator (modulating from 100% OA to 100% RA)

Additional Modules

- » Face and bypass with medium and small coils
- » Economizer sections
- » Discharge plenums
- » Access sections

Electrical

- » Motor wiring in conduit
- » Single phase fan control package
- » Three phase fan control package
- » Door interlocking disconnect switch (non-fused or fused)
- » Fusing (main or per stage)
- » Hand off auto switch (HOA)
- » Frequency inverters
- » Electric heat interlock relay
- » Relays, transformers, etc.