

Key Benefits

- Basic designs and materials have been field-proven for over 50 years.
- Welded frame construction allows panels to be removed without affecting the structural integrity of the unit.
- Lower life cycle costs result from rugged construction and high quality materials.
- A full range of accessories, options and custom features is available.
- **Thermal** consistently offers the quickest delivery available in the industry.

Specifications

Single Wall Casings

- Standard - Units constructed of heavy gauge, G-90 mill-galvanized panels on die-formed and welded galvanized steel frames. Roof and access doors are fully lined. Side and end panels are removable for access.
- Optional - Custom dimensions, stainless steel and aluminum casings, additional hinged and latched access doors, viewglass windows, optional hardware and factory applied epoxy and custom coatings.

Double Wall Casings

- Standard - As above, except entire casing interior is lined with 20 ga solid galvanized steel panels.
- Optional - As above, plus perforated liners; stainless steel and aluminum panels, frames and liners.

Roof

- Standard - Sloped up to center at 1" on 12", with integral drip ledge and standing ridge cap.

Insulation

- Standard - 2", 1.5 pcf coated glass fiber with NFPA 90A rating.
- Optional - All other thickness and materials.

Fans

- Standard - DIDW, forward curved fans. All fans statically and dynamically balanced.
- Optional - DIDW air foil and SISW plenum fans available. Fan balance report after assembly also available.

Motors

- Standard - 208-230-460/3/60 ODP, 1.15 S.F.
- Optional - TEFC and XP frames and high efficiency models.

Drives

- Standard - V-belt with variable pitch sheave through 10 hp, fixed sheaves for larger motors, all selected for 150% of motor horsepower.
- Optional - variable pitch available for larger motors.

Motor Mounting

- Standard - motors internally on 1" deflection spring isolators.
- Optional - 2" deflection isolators, seismic restraints.

Fan Shafts

- Standard - hollow tubular steel shafts designed for operation below first critical speed used for standard externally-mounted motors.
- Optional - solid steel or SS shafts for air foil fans and internally mounted motors.

Bearings

- Standard - self-aligning flange or pillow block type, grease lubricated, selected for average 200,000 hour life.

Cont. Specifications

Coils

Standard:

- 5/8" Water, steam and DX coils - 0.022" thick seamless copper tube with 0.014" thick spiral aluminum fin, 8-14 FPI, copper headers, 16 ga galvanized steel casings, tubesheets die-formed with smooth, rounded collars. Coils tested to 400 psig.
- 1" Steam distributing coils: - 0.035" thick seamless copper tube with .018" thick spiral aluminum fin, 8-12 FPI, copper headers, 16 ga galvanized casings, tubesheets die-formed with smooth, rounded collars. Coils tested to 400 psig.
- Optional
 - Plate fin coils - copper, steel, SS and aluminum tubes; aluminum, copper and SS fins.
 - All coils - 304 and 316 SS coil casings, epoxy and phenolic coatings, cleanable return bends, special circuiting, factory-mounted expansion valves.

Gaskets

- Standard - screwed panels gasketed with closed cell neoprene strip with PSA backing, hinged access doors gasketed with closed cell neoprene bulb seal.

Hinges

- Standard: - continuous stainless steel.

Drain Pans

- Standard - double wall, insulated, galvanized steel drain pan.
- Optional - mastic coating and 304 SS and 316 SS pan liners.

Mixing Box and Face and Bypass Dampers

- Standard - 18 ga 3V galvanized parallel or opposed blades with nylon bearings.
- Optional - edge and end seals, steel, stainless steel and aluminum air foil dampers.

Zone Dampers

- Standard - extruded aluminum frames and blades with nylon bearings.
- Optional - edge and end seals, third party dampers.

Curbs. Galvanized steel, 12" high, with cant and wood nailer. Sloped and taller curbs available.

Accessories

- Optional - All types of filters, mixing boxes, air blenders, sound attenuators, economizers, access sections, discharge diffuser sections, bypass ducts, gas and electric heaters, return and exhaust fans, et. al.

Other Options

- Optional - Popular options include motor and unit controls, vaportite lights, convenience outlets, damper actuators, filter gauges and many other items.