

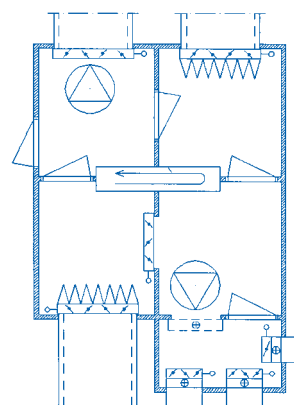
A complete Air Handling Unit that is type-approved, pressure tight, and can be adapted to different environments and requirements.



Isolamin Air Handling Unit

A system with many advantages.

Isolamin's Air Handling Unit is a lightweight structure for floors, walls, ceilings, and doors to different AHU enclosures. The essential requirements for the construction of Air Handling Unit enclosures are density, stability, fire resistance, and sound and thermal insulation.





A system with many advantages

Isolamin wall-system for Air Handling Units and ducts.

Isolamin has a pressure-tested wall system C with an in-depth profile system, including a self-manufactured inspection door and obtained type-approval in Sealing Class D according to EU Standard 1507:2002, Density Class D according to Plumbing AMA 98,57, Air Conditioning System and Tightness Class C according to Eurovent 2/2-1996.

The Air Handling Units are complete built-in structures with walls, ceilings, doors, and necessary connection profiles for assembly. The panels are also tested in internationally approved test centers, currently:

- *Fire: Class EI30, EI60*
- *Sound reduction: 33 dB Rw*
- *Sound absorption: Class A (one perforated side)*
- *Strength: The elements can handle up to 2000 Pa at 3 meters range.*
- *Corrosion: Up to C5*

The Air Handling Units are also sound tested for use in ventilation ducts with parts of the duct element having a perforated interior. The Isolamin wall system replaces the use of splitter attenuators and provides the following advantages:

- *High noise attenuation at low frequencies*

- *No pressure drop*
- *Low operating costs*
- *No noise generation*
- *High reduction in the duct wall*
- *Condensation is obtained on outdoor ducts and exhaust ducts*
- *No cranes are required to lift the muffler*
- *The items can be ordered for quick assembly*



Corrosion Classes:

- KI. C2 - Z100 (galvanized sheet metal)
- KI. C3 - Z275 (galvanized sheet metal)
- KI. C5 - stainless steel alt Magnelis Z310

* Perforated plate with 3mm hole, Delta 6.



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