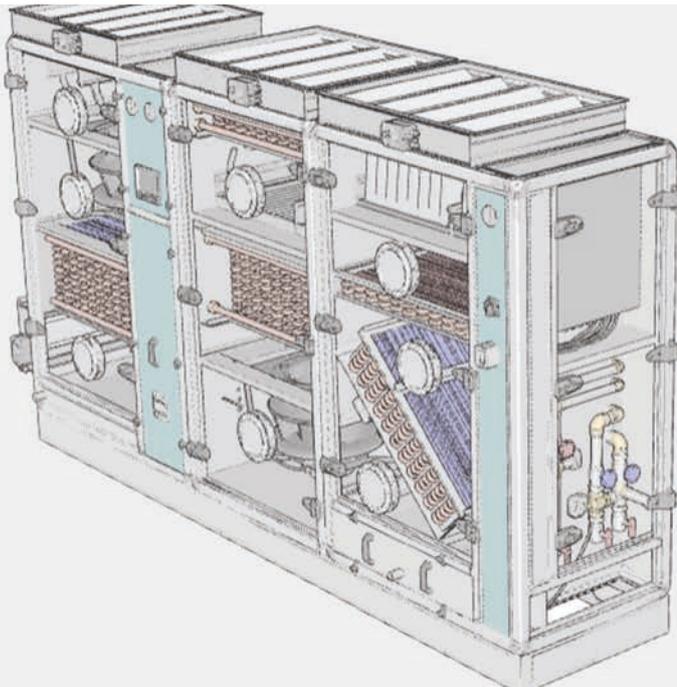


MEDICAL AHU RANGE

PRODUCT INFORMATION



INTERFURN
Part of the Medexs Group



BREATHING INNOVATION INTO YOUR OPERATING THEATRE

Our compact and fully HTM / SHTM 03-01 compliant medical air handling units (AHUs) are designed, developed and manufactured specifically for use in operating theatres, hospitals, isolation rooms, medical facilities and most other healthcare premises.

Designed specifically for hospital, medical and healthcare settings, Interfurn's medical AHUs easily achieve the recommendations laid out both the revised **HTM 03-01** released in June 2021 and the **SHTM**, whilst offering a compact and space saving alternative to the standard AHUs available on the market today.

An innovative solution to the challenge of operating theatre plant room space, the range is suitable for both new build and refurbishment applications, including modular build and MMC applications.

The units particularly excel in the refurbishment of older operating theatres which fall short of **HTM / SHTM 03-01** standards.

Where a pair of operating theatres are currently supplied by a single existing full size air handling unit, twin units can be installed in much the same footprint to reach current HTM standards with no need for a larger plant room.

FEATURES

- **SPACE-SAVING & COMPACT SIZE**
The compact size of our medical AHUs means that small spaces can be viable for conversion to plant rooms. A minimum space of 1.8m by 5.3m (including access) is required for installation of a single unit.
- **MODULAR DESIGN**
Every unit is made up of 3 individual modules making transport and installation very simple. Where space is limited, the units can easily be installed module by module reducing installation costs and theatre downtime.
- **FLEXIBLE & CONFIGURABLE**
Available in a cost effective range of supply, extract and heat recovery modules, in single, twin (back-to-back) or bank (multiples) configurations to suit both the application and space available.
- **HTM 03-01 (2021) / SHTM COMPLIANT**
AHUs easily achieve the recommendations laid out in the **REVISED HTM / SHTM**. Ideally suited to supply of critical healthcare ventilation, units provide resilience & diversity as described in the new documentation.
- **INCREASED AIR OUTPUT**
IMS AHUs provide significantly higher air output at around 5.2m³ compared to a 2.6m³ from a standard air handling unit. This effectively doubles the amount of air that can be output from the same size footprint and improving cost effectiveness.
- **SAFE & SECURE CONSTRUCTION**
Manufactured in accordance with fire classification **EUROCLASS A1, BS EN 13053 & BS EN 1886**, specifically Casing Mechanical Strength: D2, Casing Air Leakage: L2, Filter Bypass Leakage Rate: Max 0.5 %, Thermal Transmittance: T2 & Thermal Bridging Factor: TB2

TECHNICAL SPECIFICATIONS

	CONSTRUCTION DETAILS	
Cabinet Chassis, Panels & Doors, Casing	Frame	Extruded aluminium c/w thermal break
	Chassis	Galvanised steel
	Panels & Doors	Galvanised sheet steel insulated in accordance with fire classification EUROCLASS = A1
	Casing Mechanical Strength	D2
	Casing Air Leakage	L2
	Filter-Bypass Leakage Rate	Max 0.5%
	Thermal Transmittance	T2
	Thermal Bridging Factor	TB2
Finish	Panels & Doors	Epoxy powder coating (edge to edge - smooth gloss)
	Casing	Epoxy powder coating in accordance with BS EN 13053

		MODEL & CONFIGURATION					
		SR1 SINGLE Supply/Heat Recovery	ER1 SINGLE Extract/Heat Recovery	SR2 TWIN Supply/Heat Recovery	ER2 TWIN Extract/Heat Recovery	SER1 SINGLE Supply, Extract, Heat Recovery	SER2 TWIN Supply, Extract, Heat Recovery
Dimensions (mm)	Width	2300	1300	2300	1300	3600	3600
	Depth	840	840	1680	1680	840	1680
	Height**	1950	1950	1950	1950	1950	1950
Weight (kg)		430	420	860	840	850	1700
Supply Airflow (m ³ /h)		4000	N/A	8000	N/A	4000	8000
Extract Airflow (m ³ /h)		N/A	4000	N/A	8000	4000	8000
ErP Stage 1253/2014/EU (-)		2018	2018	2018	2018	2018	2018
Heat Recovery Efficiency*** (%)		68	68	68	68	68	68
Electrical Power Consumption (Sup/Est Fans) Ref * kW		0.57/0.69		1.14/1.38		0.57/0.69	1.14/1.38
SFPInt Ref W/(m ³ /s)		1145		1145		1145	1145

* For EU 1253 Reference Configuration

** Excluding base plenum. Add 200mm for base plenum in each instance for final installed height.

*** Supply + Extract Heat Recovery (ER & SER - in either single or twin versions)