AIR-FLEX+ UCV CANOPY
PRODUCT INFORMATION

INTERFURN
Part of the Medexs Group

BREATHING INNOVATION INTO YOUR OPERATING THEATRE

The AIR-FLEX+ ultraclean ventilation (UCV), screenless, flush fitting canopy is fully HTM & SHTM compliant, suitable for ultraclean theatre upgrades (like for like replacement) and new installations.

Boasting exceptional energy efficiency and lower than standard sound emissions, the **AIR-FLEX+** features the latest cutting edge UCV technology available on the market today.

An ideal solution for retrofitting or upgrading hospital and healthcare facilities, it can be fitted as a **'like for like' replacement for older, outdated canopies**, including those manufactured and installed by other providers.

The **AIR-FLEX+** is designed to fit most existing ductwork with little or no additional work, reducing the need for costly and time consuming remedial works.

Designed with existing ultraclean operating theatres and clean rooms in mind, the **AIR-FLEX+** is also suited to new build facilities or building conversions where space, particularly head room, is limited.

With an ultra slim profile, the **AIR-FLEX+** is ideal for achieving the headroom specified under HBN 26 - even when ceiling height is compromised.

Fully HTM & SHTM 03-01 compliant and available in **three standard sizes**; 2.8m x 2.8m, 3.2m x 3.2m & 3.5m x 3.5m, the **AIR-FLEX+** also features Interfurn's 'Intelligent Response Control System' (IRCS), making it the most responsive UCV canopy solution on the market today straight out of the box.

All new AIR-FLEX UCV canopies come with up to 5 years extended warranty completely FREE when you take out one of our service & maintenance plans.*

5 years warranty

* Ts&Cs apply - visit www. interfurn.co.uk for details.

FEATURES

- **THREE SIZE OPTIONS**
  Available in 3 standard sizes - 2.8m2, 3.2m2 and 3.5m2 making the AIR-FLEX+ suitable for most installations.

- **COMPACT DEPTH**
  Totally screenless & flush fitting to allow for maximum ceiling height and headroom in your theatre.

- **FLEXIBLE AIRFLOW CONFIGURATIONS**
  Available with either self contained or remote fan options, making it ideal for most theatre sizes.

- **INTELLIGENT RESPONSE CONTROL SYSTEM**
  State of the art control panel allowing a fully responsive approach to managing fans and airflow in real time.

- **REDUCED NOISE EMISSIONS**
  Improved sound attenuation, typically below NR45, improving the theatre environment for both clinical teams & patients.

- **FULLY HTM / SHTM 03-01 COMPLIANT**
  All Interfurn canopies easily achieve HTM / SHTM 03-01 standards, providing a regular servicing regime is implemented.

TECHNICAL SPECIFICATIONS

AIR-FLEX+		2.8m	3.2m
Clean Zone Area		2.8m x 2.8m	3.2m x 3.2m
Discharge Air Velocity	2m FFL	Average of 0.38 m/s within the clean zone	
	1m FFL	>0.2m/s within central clean zone	
Fresh Air Volume	40m² floor area	0.84 m³/sec*	
	55m² floor area	1.15 m³/sec*	
	75m² floor area	1.5 m³/sec*	
Air Change Rate (within clean zone)		Approx. 500 per hour	
Filtration	Pre Filter	G4	
	Final Filtration Hepa	E10 - H14	
	Air Distribution Type	CG Screen	
	Return Air Grills	1360mm x 500mm	
Noise Level	High & low level systems	≤NR50 **	
	Low noise system	≤NR45 **	
Terminal Unit Size	High level option	4.1 x 4.1 x 0.8m	5.1 x 5.1 x 1m
Terminal Unit Weight		1700kg	2200kg
Mounting Height		Dependent on application	
Finish Height		Flush with ceiling (max height 3.0m)	Flush with ceiling (max height 3m)
Supply air volume from terminal	Flush Mounted	3.53m³/sec	4.61m³/sec
Recirculation Module Size		Dependent on application	
Control Panel Size		1000 x 800 x 300mm	
Electrical Supply		400v - 50hz, 32amps N+PE	
UCV heat gains	Clean Filters	1.58kW	1.92kW
	Dirty Filters	2.4kW	2.9kW
Resistance effect of system on AHU		0 pa	0 pa
Light stem		Canopy designed to suit	
Standards		HTM03-01 (2021) / SHTM 03-01	

*Dependant on room volume or to suit theatre air change rate and cooling duty (may be increased if required)   ** Subject to background noise levels