

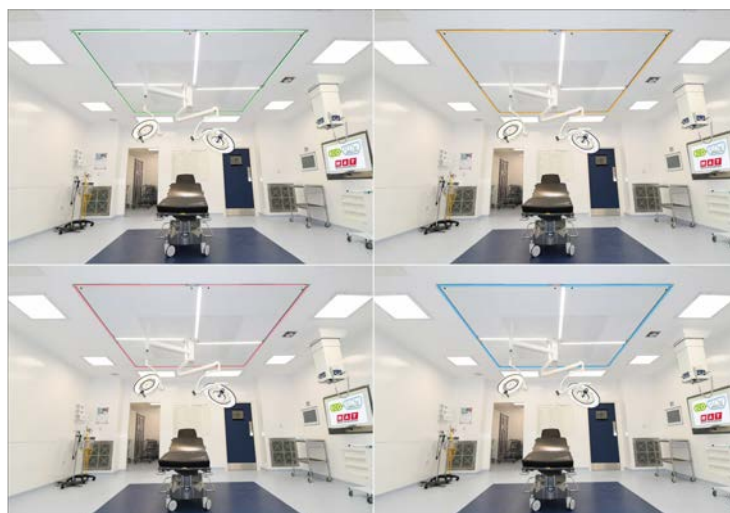


ECO-flow™ Stealth - Flush-to-Ceiling UCV Canopy

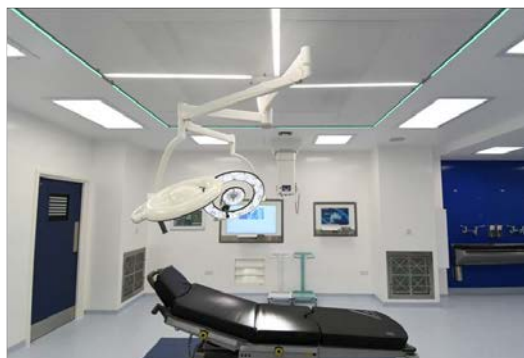
The **ECO-flow™ Stealth** UCV canopy was designed primarily for use in orthopaedic operating theatres and where the risk and consequences of surgical site infection (SSI) are costly, thus improving patient care outcomes and throughput.

The **ECO-flow™ Stealth** is a hybrid ultraclean canopy comprising of a separate UCV air terminal unit with final HEPA filters, graded air diffuser, integral LED cruciform lighting and UCV status LED traffic lights built into the perimeter of the clean zone (Green = UCV mode / Amber = Conventional mode / Red = UCV fault / Blue = HEPA filters dirty). Additionally there are 4 x remote recirculation fan units mounted in corners of the theatre room above the false ceiling or in the plantroom, return air grilles (low level or high level), return air pre-filters, return air ductwork and attenuation.

The **ECO-Flow™ Stealth** utilises graded air flow diffuser and low-level returns to control the supply air pattern and draw air to each corner of room to prevent entrainment. The LED perimeter status lights and floor demarcation provide easy recognition of the dedicated clean zone and help define the sterile field.



- Compliance with HTM 03-01 Specialised Ventilation for Healthcare Premises – Part A
- Extra quiet performance
- Energy efficient fans
- ECO-flow™ control panel c/w built in energy management options
- Flexible configuration
- Flush-to-ceiling aesthetics and zero architectural clashes
- UCV status LED perimeter lighting



2025		ECO-flow Stealth 2800	ECO-flow Stealth 3200
Clean Zone		2.8 m x 2.8 m	3.2 m x 3.2 m
Discharge Air Velocity	2 m FFL	0.38 m/s average within clean zone	
	1 m FFL	> 0.2 m/s within central clean zone	
Fresh Air Volume		0.75 m ³ /s to 1.15 m ³ /s *	
Fresh Air Connection		4 @ 550 mm (w) by 200 mm (h)	
HEPA Filter		Minimum 99.997% efficiency at 0.3 microns Eurovent EU13 / EN1822 H14	
Pre Filters		ISO16890 coarse 65% (Equivalent G3)	
Cruciform Lights**		Colour RA90-4000K LED light source controlled by LED driver	
Noise Level		53 dBA ***	
Plenum Unit Size – Standard		2790mm x 2790mm x 550mm (h)	3190mm x 3190mm x 680mm (h)
Plenum Unit Size – Low Slab		2790mm x 2790mm x 450mm (h)	3190mm x 3190mm x 580mm (h)
Plenum Unit Weight		500 Kg	800 Kg
Fan Unit Size		4 @ 1000mm (w) x 660mm (d) x 545mm (h)	4 @ 1000mm (w) x 660mm (d) x 660mm (h)
Fan Unit Weight		4 @ 100Kg	4 @ 150Kg
Return Air Grille Size (LL)		780mm (w) x 780mm (h) x 150mm (d)	780mm (w) x 780mm (h) x 150mm (d)
Return Air Grille Size (HL)		1200mm (l) x 300mm (w) x 550mm (h)	1200mm (l) x 300mm (w) x 700mm (h)
Diffuser Height		2900 mm	
Mounting Height		3450 mm	3600 mm
Minimum Diffuser Height ****	Single Fork Lamp	2450 mm	
	Double Fork Lamp	2850 mm	
Minimum Mounting Height ****	Single Fork Lamp	3000 mm	3150 mm
	Double Fork Lamp	3400 mm	3550 mm
Control Panel Size		600 mm (w) x 400 mm (h) x 200 mm (d)	
Electrical Supply		230v – 50 Hz – 32 amp single phase	
Typical Running Current	Clean Filters	5.77 A	7.93 A
	Dirty Filters	10.57 A	13.41 A
Typical Heat Gain	Clean Filters	1.6 kW	2.2 kW
	Dirty Filters	2.74 kW	3.42 kW

* To suit theatre air change rate and cooling duty (may be increased if required)

**Providing a minimum lighting level of 1000 lux (in conjunction with general lighting)

*** Subject to background noise levels

****Subject to specific operating light manufacturers requirements

Note: Dimensions stated above are typical values and some adjustment may be possible to suit specific site requirements.