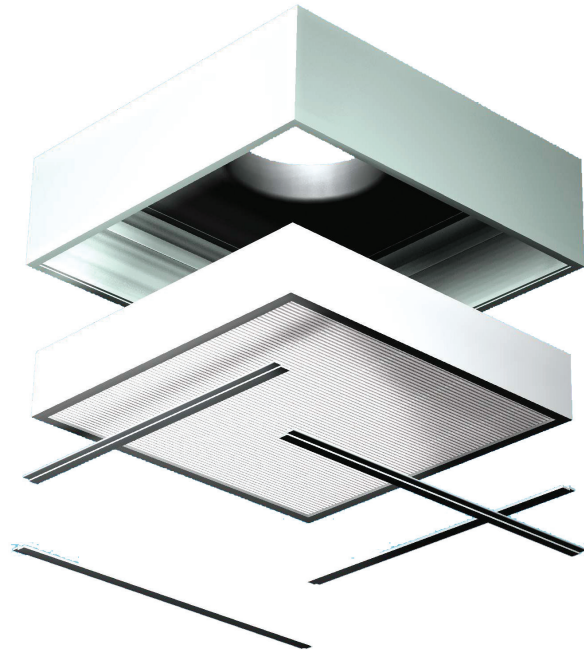


AstroCel[®] TM Hood RSC

Room Side Change HEPA and ULPA Terminal Filter Hood

- **Dedicated Cleanroom filter**
- **Filter classes H14, U15, U16 to EN1822**
- **Lightweight and easy to install**
- **Fluid Seal filter for Room Side Change**

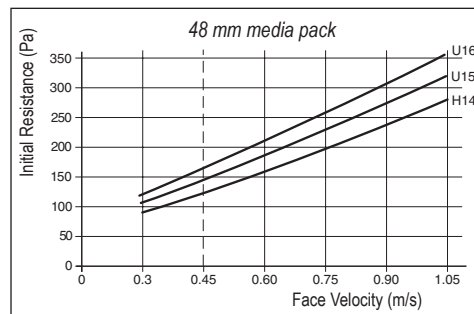


The AstroCel TM RSC Ceiling Hood is available in the classification ranges H14, U15, U16 in accordance with EN1822 and designed to meet the stringent air quality requirements of cleanrooms.

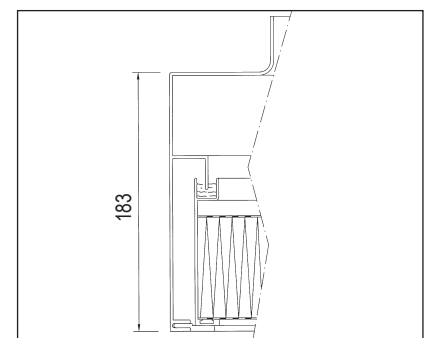
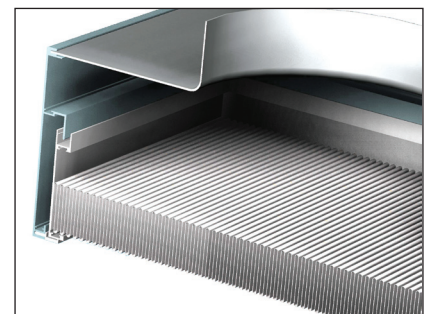
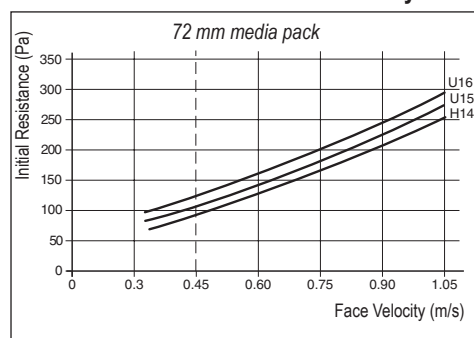
The permanent ceiling hood AstroCel TM RSC comes in anodized extruded cell side construction with an aluminium top plate. An inlet collar with a height of 65 mm is available in a variety of sizes; the standard sizes are deep drawn. AstroCel II Fluid Seal filters are installed from the cleanroom side and positioned with 4 support strips. The filter seals automatically with the permanent knife-edge in the hood.

The AstroCel TM RSC provides many user benefits including:

- Light weight and easy to install construction.
- Factory tested and certified filter.
- Easy room-side change of filter elements.
- Suspension points (optional)



Resistance versus Face Velocity



Note: Add 15 Pa to initial resistance for hood construction.

AstroCel® TM Hood RSC

Selection Table

Item	Component	Component Code Definition
A	Type of Filter	TM = Terminal Hood
B	Execution*	RSC
C	Height	183 mm
D	Inlet collar	200, 250, 315 and 355 mm

How to Order

Below a typical example of how to order a standard AstroCel TM RSC using the Component Code Definition System.

Item	A	B	C	D
Component Definition	TM	RSC	183	250

Selection Table AstroCel II FS Filter

Item	Component	Component Code Definition
A	Media*	A = Waterproof glass fibre E = Waterproof glass fibre M = Waterproof glass fibre
B	Cell Sides	96 = Anodized aluminium extrusion with fluid seal
C	Separators	C = Thermoplastic
D	Bond	9 = Cold cured resin
E	Gasket	B = Fluid seal trough
F	Gasket Location	2 = One face
G	Acceptance Level	R = H14 Min. 99.995% @ MPPS acc. to EN1822 M = U15 Min. 99.9995% @ MPPS acc. to EN1822 N = U16 Min. 99.99995% @ MPPS acc. to EN1822
H	Faceguard Location	4 = Both sides, media pack non-gasket side
I	Options	L = Stainless steel Faceguard

* To be determined by AAF engineering
Bold typeface: standard execution

Note: Recommended final resistance 500 Pa.
Temperature limit: 70°C

How to Order

Below a typical example of how to order a standard AstroCel TM Hood using the Component Code Definition System.

Item	A	B	C	D	E	F	G	H	I
Component Definition	A	96	C	9	B	2	R	4	-

Standard Sizes AstroCel TM RSC

Size in mm ² without gasket			Nominal airflow
H	W	D	mm
340	340	183	200
492	492	183	200
625	625	183	250
570	570	183	250
570	1170	183	250
870	1170	183	315
1170	1170	183	355

1) Add 65 mm for inlet collar.

Standard Sizes AstroCel TM RSC

Size in mm ²			airflow at 0.45 m/s	
H	W	D	m ³ /h	m ³ /s
305	305	104	150	0.04
457	457	104	340	0.09
590	590	104	575	0.16
535	535	104	470	0.13
535	1135	104	972	0.27
835	1135	104	1550	0.43
1135	1135	104	2090	0.58

2) Other sizes available upon request.

Initial resistance table at nominal airflow (0,45 m/s)

Depth (mm)	Class		
	H14	U15	U16
104/2"	125	145	165
104/3"	90	105	125

Efficiency

Class EN1822	Efficiency EN1822 @ MPPS
H14	99.995%
U15	99.9995%
U16	99.99995%

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