

# CR II Module

## High-performance filter module

- *Rigid, airtight construction*
- *Manufactured in stainless steel*
- *Modular design*
- *Minimum installation height*
- *Rectangular connecting flange*



The CR II module is suitable for installing exchangeable particulate filters such as the AAF-AstroCel II.

The total installation height is only 120 mm (plus 25 mm for the connecting flange). The housing is designed for use in areas where the quality of the air has to be of an extremely high level.

The individual CR II modules can be assembled to form an air-supply ceiling suitable for use in operating theatres, associated preparation rooms and intensive care wards and for class 1 areas as defined in DIN 1946, Part 4 (1989).

The CR II module can also be used individually or as an air-supply ceiling in production areas in the pharmaceutical, food and cosmetic industries as well as in laboratories.

### **Construction**

The CR II module is made of high quality stainless steel and is characterised by its rigid, airtight construction. It is connected to the air supply duct by a rectangular connecting flange on the top of the housing. Several CR II modules can simply be assembled together to form an air-supply ceiling.

The AstroCel II particulate filter is positively positioned with the help of four spring latches and is secured at each corner with a double clamping mechanism.

### **Diffuser**

The diffuser has an installation height of only 20 mm. A stainless steel perforated plate with orthogonal holes and 35% free surface area is supplied as standard.

The air diffuser is hinged at one side and has a lock at the other side.

### **Special features**

A flange with a test groove according to DIN 1946 is available as an optional extra. This flange enables the testing of the gasket seal between main filters and housing.

The stainless steel perforated plate air distribution element is also available painted with a powder coating if preferred.

Connections are also available to allow differential pressure measurements and aerosol tests to be carried out.

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### Technical data

Size	Dimensions	Filtersize H x W x D (mm)	Flow rate	
	H x W (mm)		0.25 m/s	0.45 m/s
CR II 24.12	650 x 345	610 x 305 x 69	165	300
CR II 24.24	650 x 650	610 x 610 x 69	330	600
CR II 24.36	650 x 955	610 x 915 x 69	500	900
CR II 24.48	650 x 1260	610 x 1220 x 69	660	1200
CR II 600.300	600 x 300	560 x 260 x 69	150	250
CR II 600.600	600 x 600	560 x 560 x 69	270	500
CR II 600.900	600 x 900	560 x 860 x 69	410	750
CR II 600.1200	600 x 1200	560 x 1160 x 69	550	1000

AstroCel II ULPA: min. 99.999% on 0.3 µm particles according to the laser spectrometry test.

Leak-free in accordance with DIN 24.184; filter class: S

Initial Resistance at 0.25 m/s: < 70 Pa; initial resistance at 0.45 m/s: < 125 Pa.

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