

Data Sheet

Laminar Flow Module FMS – Serie **SuSi®**

Specifications:	FMS 24	FMS 37 - SuSi®	FMS 56 - SuSi®	FMS 75 - SuSi®	FMS 93 - SuSi®	FMS 112 - SuSi®
Dimensions Filter Area in mm	610 x 400	610 x 610	915 x 610	1220 x 610	1525 x 610	1830 x 610
Outer Dimensions in mm	610 x 400	676 x 669	981 x 669	1286 x 669	1591 x 669	1896 x 669
Weight in kg	20	25	33	49	57	66
Quantity of Pre-filter	1	2	2	4	4	4
Quantity of EC-fans	1	1	1	2	2	2
Air flow volume in m ³ /h by flow speed of 0,45 m/sec.	430	660	1000	1350	1670	2015
Average power input	70 W	70 W	70 W	140 W	140 W	140 W
Noise level by flow speed of 0,45 m/sec.	62 db	40 db	45 db	46 db	50 db	52 db
Part number	11-0500	11-0840	11-0841	11-0842	11-0843	11-0844

Range of devices:

Every size of Laminar Flow Module FMS – Serie is available in:

Typ	FMS Serie SuSi® - Standard	FMS Serie SuSi® - Master	FMS Serie SuSi® - Slave
Description / Differences:	<ul style="list-style-type: none"> - Control panel is integrated in housing of Laminar Flow Module - Operating directly on the Module 	<ul style="list-style-type: none"> - Control panel is separated - Control Panel can be mounted on a proper position - Operates Slave-Modules 	<ul style="list-style-type: none"> - Control panel is missing - Operating the Slave-Modul only via Master-Module
Part numbers	11-0840 until 11-0844	11-0921 until 11-0925	11-0931 until 11-0935

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General Product Information:

Settlement:

- 8 steps air flow setting, reproducible values by indication of flow speed in display
- Including eco mode (night), purge function and operating hour counter
- Indication for fault and filter charging

Filter:

- Pre-filter, class G3
- Suspended particle filter class H14: based on the most-penetrating particle size (MPPS), excludes 99.995 % of particles > 0.12 µm and excludes 99.9995 % of particles > 0.3 µm
- Incl. possibility of changing the Filter from underneath (inside the clean room) via drop-down filter cassette. Thus enables considerable simplification of the filter changing. If needed the conventional filter changing method from above (outside the clean room) is still feasible.
- The insulation factor is 10^4 - Underneath the laminar flow module, the air quality is 10000 times better than in the immediate environment
For example: immediate environment 1000000 particle/ft³ equates <100 particle/ft³ underneath Laminar Flow Module
- Clean Room class 100 according US Fed. 209E, or ISO 5 according DIN ISO 14644-1 and better (underneath Laminar Flow Module)

Fans:

- centrifugal (radial) fan 150 Pa, 2580 m³/h, 230 V, 50 Hz, with emergency operating functionality
- Backward curving centrifugal fans
- Special coating of the fan blades to prevent dust contamination
- The special fan suspension reduces vibrations to a minimum
- The fan is dynamically balanced in two planes according to DIN ISO 1940 standards.
- Exceptionally quiet electronically commutated (EC) fan (without the humming noises of the typical AC fan)

General information:

- Hood in white RAL 9003, plastic-coated
- Module height 431 mm