The Futura is Sabiana

FuturaSabiana Fan Coil

ICIM
ISO 9001
Cert. n° 0545/1

SABIANA
ENVIRONMENTAL COMFORT

FuturaSabiana fan coil, performance and design to appreciate in virtual silence

FROM SABIANA THE NEW "FUTURA" RANGE
THE NATURAL EVOLUTION OF THE FAN COIL

FuturaSabiana is the new fan coil that continues the Sabiana tradition based on high reliability and low noise levels.
FuturaSabiana is the result of great commitment in terms of energy and resources to offer a more modern product from every point of view:

• **Design:** Sabiana proposes a fan coil with an absolutely innovative design which is a patented decorative model. A fan coil with such developed aesthetics constructed with **continuous and rounded curves** was never been designed before.
For the first time the Futura fan coil has the casing made almost completely of **synthetic shock-proof material,** apart from the front panel.
This allows an exceptional and continuous attention to details.
Even **the controls**, both on board and remote for wall installation, have been completely re-designed to perfectly match the equipment and the surrounding environment.

• **Quietness:** Sabiana exploited all its research and development skills to **reduce the noise level** of this fan coil. This aspect is increasingly important both for designers and end users.
The result is an extremely low noise level both on the FSC model with centrifugal fan and on the FST model with tangential fan, as proved by the Eurovent certification.

• **Range:** The FuturaSabiana series is absolutely unique: **no other fan coil** comes with such a wide range of models, that includes versions with a centrifugal or tangential fan as well as the "home" series with reduced length and depth.
Moreover, all the Sabiana fan coils can be equipped with the patented **Crystall** electrostatic filter, of electronic type, which offers in a single appliance the functions of air purification and treatment.
The FuturaSabiana fan coils are available on demand in a **wide range of colours** and are equipped with every kind of accessories and controls to meet all electronic and installation needs.

• **Easy use:** every detail has been carefully studied to guarantee **easy** assembly, use and maintenance of the fan coils, like for instance the functional symmetric feet, the wide valve space (170 mm) and easy access to the filter in all models. Moreover each version has **the same internal structure**, identical in both horizontal and vertical models, in order to standardize production and guarantee a greater flexibility in distribution and installation.

Eurovent Certification

Sabiana obtained the Eurovent certification in 1996.
Eurovent is an independent body recognized in all Europe that ensures total reliability and transparency of performances.

Serie FSC with centrifugal fan

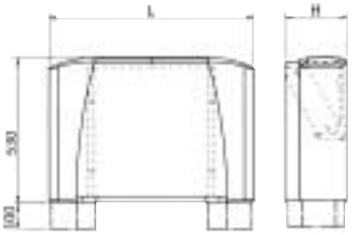
Sabiana's high reliability is dressing Futura.

For its most traditional version, Sabiana focused its attention on design, optimization of practicality as well as on noise level reduction. This fan coil, based on a traditional technology, offers excellent environmental comfort.

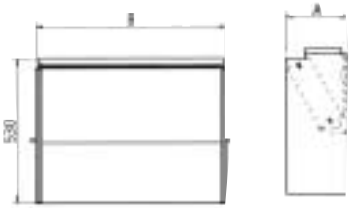
- *7 sizes (300 - 1400 m³/h)*
- *1 battery: 3 or 4 rows*
- *2 batteries 3 or 4 rows (cooling) and 1 row (heating)*
- *5 versions (MV, IV, MO, IO, MVB)*

MV-MO		
GR.	L	H
1	770	225
2	985	225
3	1200	225
4	1200	225
5	1415	225
6	1415	255
7	1415	255

MOD. MV

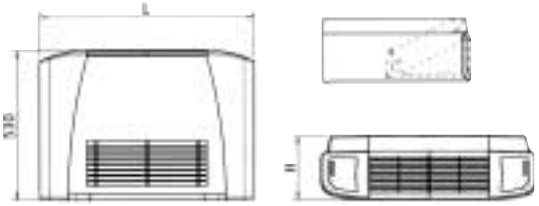


MOD. IV

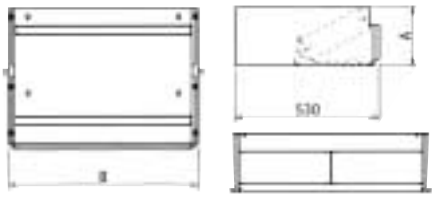


IV-IO		
GR.	A	B
1	218	474
2	218	689
3	218	904
4	218	904
5	218	1119
6	248	1119
7	248	1119

MOD. MO



MOD. IO



FuturaSabiana FSC. 2 pipe unit. The following standard rating conditions are used:

COOLING Entering air temperature + 27°C d.b., + 19°C w.b.

HEATING Entering air temperature + 20°C Water temperature 70/60°C

Figures at high speed Water temperature +7/12°C

MODEL FSC	FSC 13	FSC 23	FSC 33	FSC 43	FSC 53	FSC 63	FSC 73	FSC 14	FSC 24	FSC 34	FSC 44	FSC 54	FSC 64	FSC 74
Air flow m³/h	300	450	600	750	1000	1200	1400	300	450	600	750	1000	1200	1400
Cooling total emission kW	1.50	2.50	3.50	4.00	4.80	5.95	6.70	1.80	2.80	3.90	4.60	5.70	6.60	7.50
Cooling sensible emission kW	1.25	2.10	2.95	3.35	4.05	5.00	5.70	1.48	2.17	3.10	3.80	4.80	5.50	6.30
Heating kW	3.6	5.8	7.8	9.1	11.6	14	15.9	4.0	6.1	8.4	10.1	12.9	15.4	17.6
Δp Cooling kPa	4.6	14.1	12.9	17.9	27.8	21.1	29.7	13.1	24.7	17.0	13.6	20.7	15.0	19.6
Δp Heating kPa	4.3	13.3	11.4	15.9	26.6	19.8	23.9	12.5	23.6	14.9	11.5	21.3	14.6	18.5
Sound power High speed dB(A)	50	52	51	54	59	60	65	51	54	51	54	58	60	65
Sound pressure High speed dB(A)*	41	43	42	45	50	51	56	42	45	42	45	49	51	56
Sound pressure Med. speed dB(A)*	36	38	33	38	47	47	51	36	41	36	38	41	46	51
Sound pressure Low speed dB(A)*	31	33	26	32	39	42	45	31	34	31	34	35	40	45

* The sound pressure figures are 9 dB(A) lower than the sound power figures in a room of 100 m³ with a riverberating time of 0.5 sec.

Series FST with tangential fan

When silence is golden.

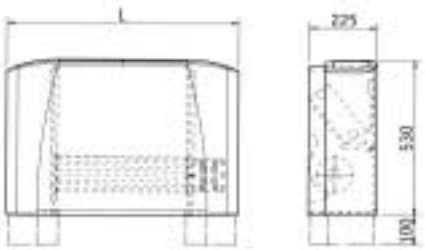
The series FST is equipped with an exclusive tangential fan assembly developed by the Sabiana's R&D Dpt. The fan has a 120 mm diameter, the largest one on this kind of unit, and is able to give performances similar to those obtained with centrifugal fans. Its special spiral shape guarantees a

perfect and continuous air flow on the whole battery surface, optimizes thermal exchange and avoids the annoying "pumping" effect of other kinds of tangential fans.
Thanks to the long-term experience gained on this fan assembly, associated

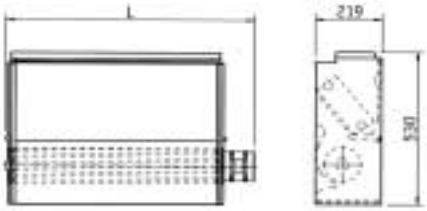
with an exclusive silencer, the noise level has been remarkably reduced, as proved by the Eurovent certification.

- *5 sizes (300 - 1000 m³/h)*
- *1 battery: 3 or 4 rows*
- *2 batteries: 3 or 4 rows (cooling) and 1 row (heating)*
- *5 versions (MV, IV, MO, IO, MVB)*

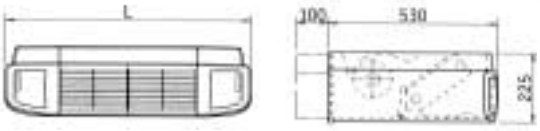
MOD. MV



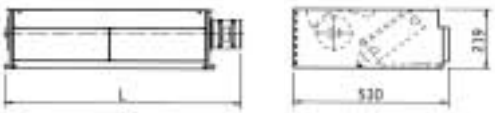
MOD. IV



MOD. MO



MOD. IO



MV-MO	
GR.	L
1	770
2	985
3	1200
4	1200
5	1415

IV-IO	
GR.	L
1	567
2	782
3	1007
4	1007
5	1215

FuturaSabiana FST. 2 pipe unit. The following standard rating conditions are used:

COOLING Entering air temperature + 27°C d.b., + 19°C w.b. **HEATING** Entering air temperature + 20°C Water temperature 70/60°C

Figures at high speed Water temperature +7/12°C

MODEL FST	FST 13	FST 23	FST 33	FST 43	FST 53	FST 14	FST 24	FST 34	FST 44	FST 54
Air flow m³/h	300	450	600	750	1000	300	450	600	750	1000
Cooling total emission kW	1.40	2.40	3.40	4.05	4.60	1.70	2.60	3.70	4.50	5.30
Cooling sensible emission kW	1.17	2.02	2.87	2.99	3.88	1.40	1.99	2.62	3.52	4.46
Heating kW	3.4	5.5	7.4	8.65	11	3.8	5.8	8.0	9.6	12.25
Δp Cooling kPa	4.6	12.0	13.2	19.7	27.4	8.0	9.2	10.3	36.6	20.6
Δp Heating kPa	4.4	11.5	10.3	14.7	24.6	7.3	8.6	9.5	32.3	18.5
Sound power High speed dB(A)	48	47	48	52	55	48	48	48	52	56
Sound pressure High speed dB(A)*	39	38	39	43	46	39	39	39	43	47
Sound pressure Med. speed dB(A)*	32	33	33	37	41	31	33	32	37	42
Sound pressure Low speed dB(A)*	25	26	27	32	36	25	27	27	32	38

* The sound pressure figures are 9 dB(A) lower than the sound power figures in a room of 100 m³ with a riverberating time of 0.5 sec.

Serie FSR with tangential fan

High comfort for small environments.
The series FSR is designed to be equipped with a tangential fan and the units are of smaller dimensions for smaller environments (depth 18 cm). FuturaSabiana is the ideal equipment for offices and houses, is no longer a simple technical

product but also a furnishing element that can give added value to the aesthetics of the surroundings.

- *4 sizes (180 - 500 m³/h)*
- *1 battery: 2 rows*
- *1 version MV*

FuturaSabiana FSC. 2 pipe unit. The following standard rating conditions are used:

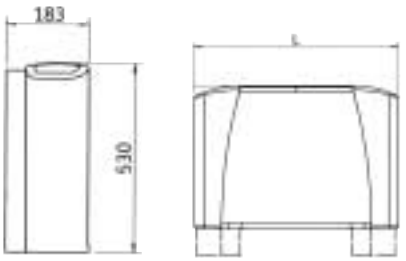
COOLING Entering air temperature + 27°C d.b., + 19°C w.b.

HEATING Entering air temperature + 20°C Water temperature 70/60°C

Figures at high speed Water temperature +7/12°C

MODEL FSR	FSR 1	FSR 2	FSR 3	FSR 4
Air flow m³/h	180	250	360	500
Cooling total emission kW	0.88	1.30	1.90	2.80
Cooling sensible emission kW	0.70	1.01	1.53	2.05
Heating kW	2.04	2.90	4.51	6.21
Δp Cooling kPa	11	20	8	20
Δp Heating kPa	10.5	16.8	7.9	16.8
Sound power High speed dB(A)	42	43	45	46
Sound pressure High speed dB(A)*	33	34	36	37
Sound pressure Med. speed dB(A)*	26	29	30	31
Sound pressure Low speed dB(A)*	22	24	25	25

* The sound pressure figures are 9 dB(A) lower than the sound power figures in a room of 100 m³ with a riverberating time of 0.5 sec.



MOD.	1	2	3	4
l	670	770	985	1200

Electric and electronic controls

A perfect climate control.
All the controls of the new range have been totally re-designed and feature a modern and attractive design.
The Futura range allows any possibility of control and setting, both with onboard and remote controls for remote installation.
Options range from the basic 3 speed control to highly sophisticated versions that allow automatic speed setting according to ambient temperature and automatic switching of the seasonal selector.

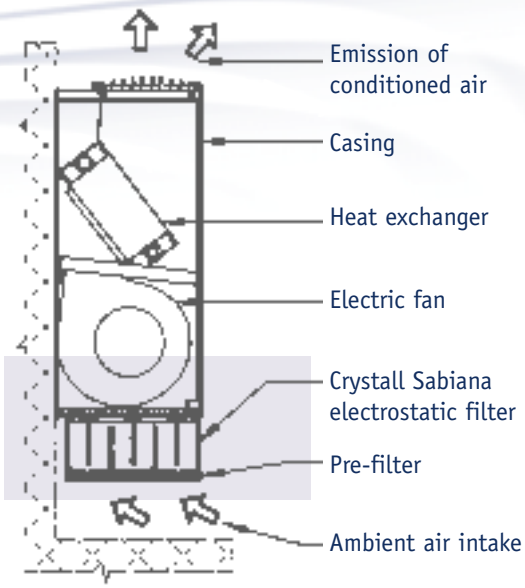
In addition to the more traditional versions a new electronic control completely designed by Sabiana is proposed.
All the above mentioned functions are contained in a control panel of extremely small dimensions that allow its installation in the openings usually available in the walls for electric switches.
This control is provided with a display that allows the reading of its functions, room temperature and desired temperature.

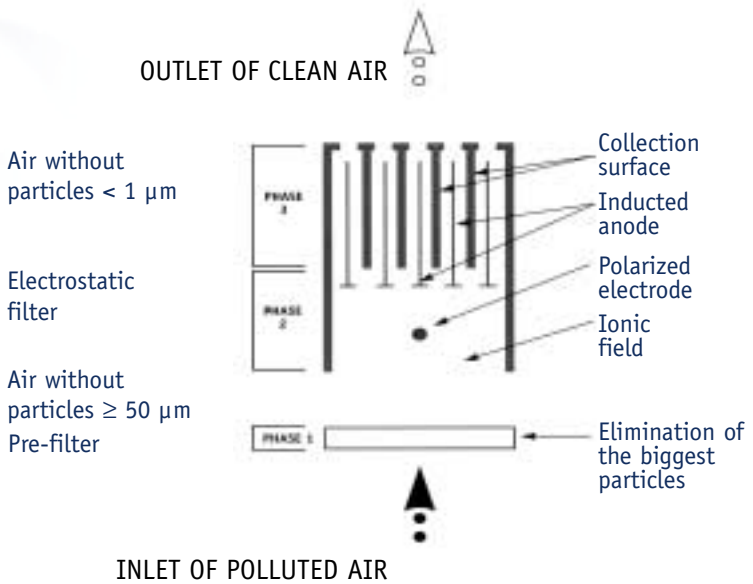
Crystall Sabiana electrostatic filter

Clean air is comfort.

The **Crystall Sabiana** electrostatic filter matches the need for better air conditioning with the concepts of space and design.
With this filter the various stages of air treatment are combined in one appliance.

Thanks to this new patented filter, air pollutants such as cigarette smoke, dust, pollen and most biological organisms are eliminated.
In addition, as fresh air is not being introduced to obtain the best climatic conditions, there are consequential energy savings.





Operating principle of the Crystall Sabiana electrostatic filter.

The air is sucked in and first passes a mechanical prefilter, which keeps away particles of more than 50 µm (dust, insects, etc.) (Phase 1). Then the smallest particles (50÷0.01 µm) are exposed to an intensive ionic field and are polarized (Phase 2). The charged particles passing through the second filter section, are pushed back by the anode and attracted to the collection surfaces by a strong, inducted magnetic field (Phase 3). The air which leaves the unit is free from polluting particles.

FuturaSabiana

design and colours for a perfect comfort

The FuturaSabiana range offers also an aesthetical comfort: the modern design and the different colours fit perfectly in the environment and enhance its aesthetic value.

Standard colour:
- White Panel (Ral 9003)
- Light Grey Casing, Pantone 427C.

On request there are 4 colours available:
- Pantone Cool Grey 11C (Ral 7012), Dark Grey
- Pantone 2925C (Ral 5012), Blue
- Pantone 485C (Ral 3020), Red
- Pantone 109C (Ral 1023), Yellow

For special orders are available different colours on request.

SABIANA
ENVIRONMENTAL COMFORT

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