





## SITALI

Decentralised and ducted heat recovery ventilation units



## Indoor air quality. The importance of the introduction of outdoor air

### Heat Recovery Ventilation: many advantages for indoor comfort

The most authoritative exponents of the scientific community agree on the importance of the introduction of outdoor air indoors, to increase the quality of indoor air. The greater the quantity of external air introduced into closed environments, the lower the concentration of pollutants and pathogens.

A change of air carried out through the opening of the windows may not always be possible (for example in summer and winter) or sufficient: the quantity of air introduced is in fact not controllable or its uniform distribution. If there are HRV systems, the experts therefore recommend activating their continuous operation (7/7 days and H24) and increasing the exchange flow rate as much as possible.





## High-efficiency and comfort decentralised and centralised systems

### Diversified solutions for each project

To meet the needs of every room, Olimpia Splendid's Sitali range includes both decentralised and centralised units. Recommended for existing buildings, ad hoc solutions do not require any air distribution system or invasive installation work. For buildings where it is possible to design and implement a distribution system complete with ducts and terminals, however, the installation of centralised units is recommended.

All the solutions for centralised systems include a PPE structure with sheet metal finish and plastic fittings. They are fitted with high-performance, energy-saving EC brushless motors. The centralised machines are fitted with G4 filters (ISO Coarse 60%) to protect the exchanger and for some sizes, it is possible to use F7 filters (ISO ePM1 60%) for improved air filtering on input.

Thanks to the heat recovery unit, it is possible to transfer the heat of the air extracted from inside the rooms to the fresh air supplied from the outside, limiting the activation of the heating system and improving the building's energy performance.



# Heat recovery ventilation

## Decentralised systems

	100	150
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### SITALI SFE 100 S1

Continual single flow HRV



	Sitali SFE 100 S1 (99231)	
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### SITALI SF 150 S1

Alternating single-flow HRV



		Sitali SF 150 S1 (99299)
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## Centralised systems

	120	180	280	400	550
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### SITALI CX 120

Double flow HRV with vertical ore reversible installation



<b>AUTOMATIC CONTROLS</b>	Sitali CXRA 120 (99250)				
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### SITALI CX 180

Double flow HRV with horizontal installation



<b>AUTOMATIC CONTROLS</b>		Sitali CXOA 180 (99248)			
<b>MANUAL CONTROLS</b>		Sitali CXOM 180 (99247)			

### SITALI CX 280

Double flow HRV with vertical installation



<b>AUTOMATIC CONTROLS</b>			Sitali CXVA 280 S1 (99205) <small>NEW</small>		
<b>MANUAL CONTROLS</b>			Sitali CXVM 280 S1 (99204) <small>NEW</small>		

### SITALI CX 400

Double flow HRV with vertical installation



<b>AUTOMATIC CONTROLS</b>				Sitali CXVA 400 (99244)	
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### SITALI CX 550

Double flow HRV with vertical installation



<b>AUTOMATIC CONTROLS</b>					Sitali CXVA 550 (99243)
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## SITALI SFE 100 S1

1      2 3      4      5

### Decentralised nomenclature

Valid for decentralised systems

- Position 1: Line name Sitali
- Position 2: Flow (SF=Single flow)
- Position 3: Type (E=Extractor)
- Position 4: Hole diameter (mm)
- Position 5: Series (S1, S2, S3 etc.)

## SITALI CXRA 120

1      2 3 4 5      6

### Centralised nomenclature

Valid for ducted systems

- Position 1: Line name Sitali
- Position 2: Type (C=Centralised)
- Position 3: Flow (X=Crossed)
- Position 4: Installation (R=Reversible, V=Vertical, O=Horizontal)
- Position 5: Controls (A=Automatic, M=Manual)
- Position 6: Air flow rate



BMS

HEAT PUMPS

FAN COIL UNITS

HRV

UNICO

MONO AND MULTISPLIT

PORTABLES

DEHUMIDIFIERS

# SITALI SFE 100 S1

Compatible with:  
**SIOS**  
CONTROL

## Decentralized Heat Recovery Ventilation with continuous single flow.



### SILENT FUNCTION

The most silent: only <math>< 9\text{dB(A)}</math>. Optimized for continuous 24/24h operation.



### AIR EXCHANGE

Decentralized HRV unit with continuous single flow,  $\varnothing 100$  mm, with very low energy consumption, for replacing stale air in the humid environments with maximum acoustic comfort. Ideal for preventing problems of condensation and mould, which inevitably damage the structure and compromise the health of the occupants.



### HUMIDITY DETECTION

The unit is equipped with a humidity detection probe which works in automatic mode. If there is a sudden increase in the humidity rate and the relative humidity value exceeds 65% the unit works at intermediate speed and after the humidity level stabilises, it continues to work at intermediate speed for a fixed time of 5 minutes. The humidistat function can be activated via dip switch.

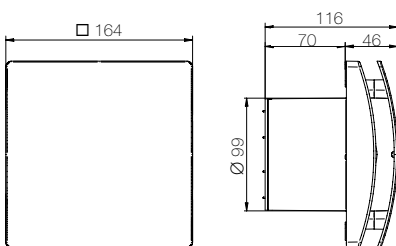


## FEATURES

- Top quality ABS structure
- High-efficiency aerodynamic fan
- EC brushless motor with thermal protection
- Integrated humidity sensor (see manual for operation)
- Automatic timer with shutdown delay (see manual for operation).
- Elegant design with minimalist lines

- Front cover; easy to remove for cleaning, without the use of tools
- Aerodynamic deflectors
- Very low energy consumption
- 3 ventilation speeds available

## DIMENSIONS AND TECHNICAL SPECIFICATIONS



### TECHNICAL DATA

PRODUCT CODE	99231
Hole diameter mm	100 (110 with telescopic tube)
Air flow rate m <sup>3</sup> /h	max 102 - min 17
Absorption W	max 4,5 - min 0,9
Sound level* dB(A)	max 37 - min 9
Max room temperature °C	40
Degree of protection IP (wall installation)	IPX4
Weight kg	0,6
M <sup>2</sup> treated**	8 m <sup>2</sup>

220-240 V ~ 50-60Hz aerulic performance measured according to ISO 5801 at 230V 50Hz, air density 1.2 Kg/m<sup>3</sup> - data measured in TÜV Rheinland accredited laboratory

\* sound pressure level at 3m in free field

\*\*Maximum treated area for civil dwellings (regulatory reference UNI 10339:1995) considering 90 m<sup>3</sup>/h as max flow rate, 10 Pa prevalence and a room height of 2.7 m.

# SITALI SF 150 S1

Compatible with:  
**SIOS**  
CONTROL

## Decentralized Heat Recovery Ventilation with alternate single flow



### SILENT FUNCTION

The most silent: only **10-dB (A)** Optimized for continuous 24/24h operation.



### INTELLIGENT FUNCTION

Thanks to the presence of the temperature detection probe, the air flow inversion time is self-adjusted to allow the best comfort indoors.



### MAGNETIC FUNCTION

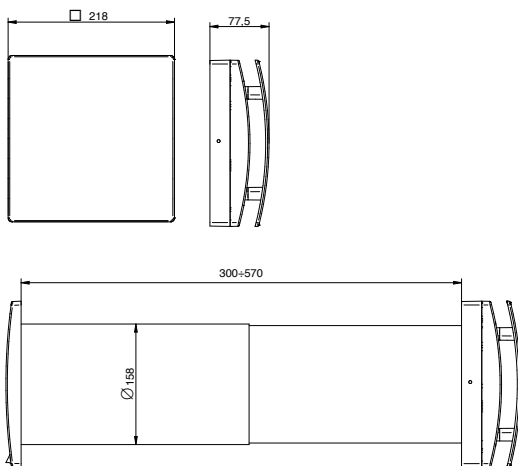
Quick release via magnets for easy maintenance without the need for specialized staff.



### FEATURES

- Temperature probe that adjusts the air flow inversion times to maintain the indoor comfort level
- Energy class: A
- EC brushless motor
- Integrated humidity sensor
- Easy maintenance, indoor magnetic release
- Infra-red remote control with LCD
- Double filter on the inner/outer side of the exchanger
- Multicolor LED indicator
- 5 ventilation speeds available
- Magnetic wall support for remote control
- ON/OFF contact
- Synchronization possible for up to 10 units (via cable connection)

### DIMENSIONS AND TECHNICAL SPECIFICATIONS

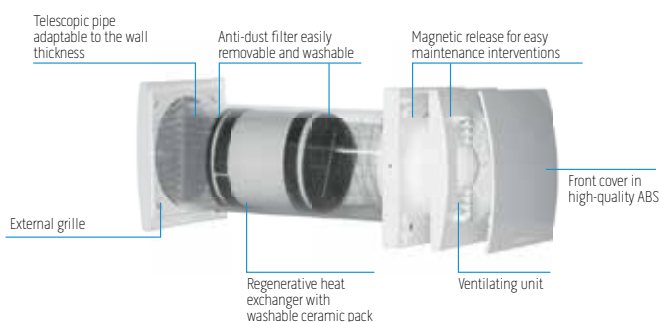


TECHNICAL DATA	SF 150 S1
PRODUCT CODE	99299
Hole diameter mm	160
Energy class	A
Air flow rate m <sup>3</sup> /h	60/50/40/30/20
Sound level* dB(A)	29/24/20/14/10
Absorption W	6/4,5/3,5/2,5/2
Max thermal efficiency	82%
Max room temperature °C	-20°C +50°C
Weight kg	5,5
Degree of protection IP	IPX4
M <sup>2</sup> treated** m <sup>2</sup>	20 m <sup>2</sup>

220-240 V ~ 50-60Hz aerualic performance measured according to ISO 5801 at 230V 50Hz, air density 1.2 Kg/m<sup>3</sup> - data measured in TÜV Rheinland accredited laboratory

\* sound pressure level at 3m in free field

\*\*Maximum treated area for civil dwellings (regulatory reference UNI 10339:1995) considering 30 m<sup>3</sup>/h as the maximum flow rate, being of alternate flow. Energy efficiency classes refer to a range between A+ and G.





# SITALI CX 120

Compatible with:  
**SIOS**  
CONTROL

## Double flow centralised compact HRV



### COMPACT DIMENSIONS

The compact size makes the units each to install in any room.



### FLEXIBLE INSTALLATION

The unit is reversible and can be installed on the wall in a vertical position, and horizontal position on the ceiling or false ceiling.



### AUTOMATIC CONTROLS

Multi-function control panel.



### FEATURES

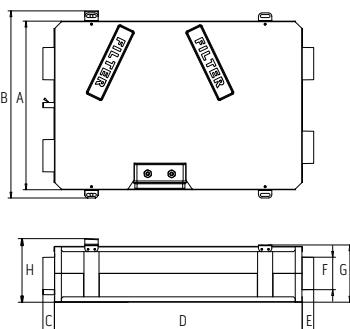
- External panels made of pre-coated RAL 9010 and made of galvanized steel.
- Main structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on ball bearings for long service life.
- Ultra-quiet and high-performance centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- The pre-wired unit makes electrical connection easy.
- ISO Coarse 60% (G4) filters easily removable from the outside: no need to remove the access panel to perform maintenance operations. ISO ePM1 60% (F7) filter on request.
- Integrated condensation drain (winter only).
- Automatic frost protection prevents the formation of ice on the inlet side of the heat exchanger.

### OPERATION

- The unit is supplied with a multi-function control panel, with the following control and connection options:
  - 3-speed setting option (to be set during installation)
  - BOOST activation
  - Reset filter
  - On/off
  - Keypad lock
  - Anti-frost activation indicator
  - Fault indicator
  - Filter replacement indicator
  - Connection to remote room sensors (humidity, CO2, etc.)
  - Modbus interface.

### LAYOUT, DIMENSIONS, WEIGHT

#### Sitali CXRA 120

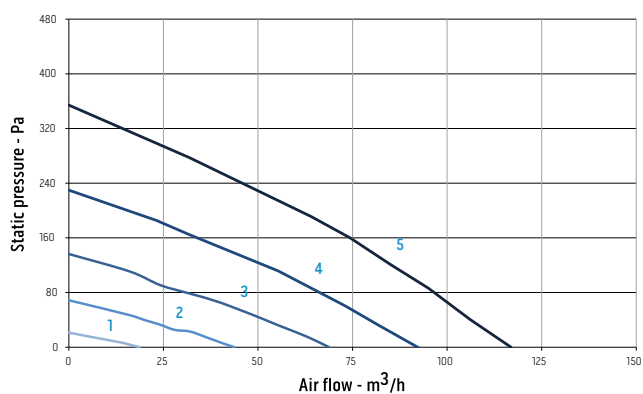


		SITALI CXRA 120
A	mm	504
B	mm	559
C	mm	34
D	mm	741
E	mm	34
F	mm	97
G	mm	171
H	mm	190
Weight	kg	11,5 kg

**TECHNICAL DATA**

		SITALI CXRA 120
<b>PRODUCT CODE</b>		99250
<b>EAN CODE</b>		8021183992502
Maximum flow rate @100 Pa	m <sup>3</sup> /h	91
Electrical power consumption (at the maximum flow rate)	W	58
SEC class (local demand control)		A
SEC class (central demand control)		A
SEC class (manual control - No demand control ventilation)		B
Thermal efficiency	%	82
Reference flow rate	m <sup>3</sup> /h	64
Reference pressure difference	Pa	50
Specific power consumption (SPI)	W/m <sup>3</sup> /h	0.391
Sound power level (LWA)	dB(A)	50
Electrical power supply		220-240V~/50-60Hz
IP protection rating		IPX4
Sound pressure @3m(1)	dB(A)	18
Max room temperature	°C	+40

(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes. Energy efficiency classes refer to a range between A+ and G.

**SITALI CXRA 120**


	Speed %	W max	m <sup>3</sup> /h max
1	20	9	22
2	40	13	48
3	60	20	71
4	80	32	96
5	100	56	114

Inlet curves in accordance with European regulation 1253/2014 (Er P)

**Sitali CXRA 120**


1. Air inlet from exterior
2. Air expulsion to exterior
3. Air supplied to interior
4. Air extracted from interior
5. Condensation drain (winter)

# SITALI CX 180

## Double flow centralised HRV

Compatible with:  
**SIOS**  
CONTROL



### INTEGRATED PHYSICAL BYPASS

Ideal for "free cooling" operation during the summer



### HORIZONTAL INSTALLATION

Ideal for installation the ceiling or false ceilings, in a horizontal position.



### MANUAL OR AUTOMATIC CONTROLS

Sitali COAX 180 features a multi-function control panel with LCD display (see image on the side). Sitali COVID 180 does not have controls and must be combined with an S-type control (simplified, one of codes B1061, B1062, B1063).



### FEATURES

- External frame made of pre-coated RAL 9010 galvanized steel.
- Internal structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on ball bearings for long service life.
- Ultra-quiet and high-performance, balanced centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- Simplified electrical connection: the unit is supplied pre-wired.
- ISO Coarse 60% (G4) filters easily removable from the outside: no need to remove the access panel to perform maintenance operations. ISO ePM1 60% filter (F7) on request.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensation drain that can be used based on climatic requirements.

### OPERATION

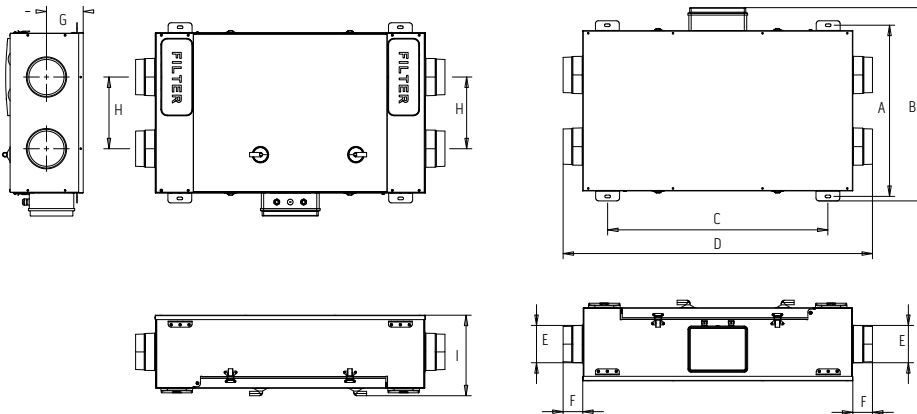
#### Version with CXOA 180 automatic control

- 3-speed setting and selection.
- Boost function.
- Holiday and Night Mode function.
- Weekly programming.
- By-pass control
- Air flow balancing.
- Filter maintenance and fault indicator.
- Hour count indicator
- Settings savings and uploading.
- Connection to remote room sensors (humidity, CO2, etc.)
- ModBus interface.
- Connection to electric heating element before and after the ventilation unit.
- Connection to water heating coil

#### Version with COVID 180 manual control

- Three-speed operation with simplified external S-type control, which also allows manual activation of the bypass.

### LAYOUT, DIMENSIONS, WEIGHT



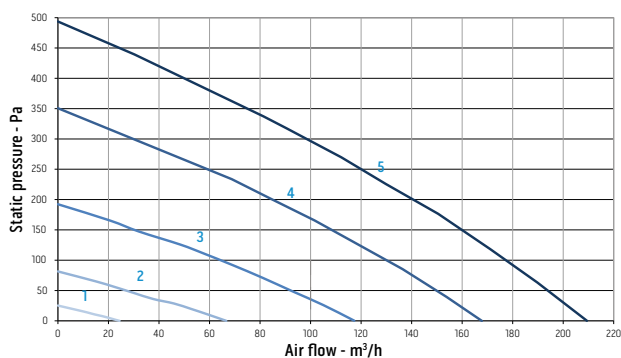
		SITALI CXOA 180	SITALI CXOM 180
A	mm	574	574
B	mm	648	648
C	mm	738	738
D	mm	1037	1037
E	mm	125	125
F	mm	66	66
G	mm	123	123
H	mm	240	240
I	mm	270	270
Weight	kg	20 kg	20 kg

**TECHNICAL DATA**

		SITALI CXOA 180	SITALI CXOM 180
<b>PRODUCT CODE</b>		99248	99247
<b>EAN CODE</b>		8021183992489	8021183992472
Maximum flow rate @100 Pa	m3/h	177	177
Electrical power consumption (at the maximum flow rate)	W	105	105
SEC class (local demand control)		A	A
SEC class (central demand control)		A	A
SEC class (manual control - No demand control ventilation)		B	B
Thermal efficiency	%	82	82
Reference flow rate	m3/h	124	124
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m3/h	0.412	0.412
Sound power level (LWA)	dB(A)	50	50
Electrical power supply		220-240V~/50-60Hz	220-240V~/50-60Hz
IP protection rating		IPX4	IPX4
Sound pressure @3m(1)	dB(A)	21	21
Max room temperature	°C	+40	+40

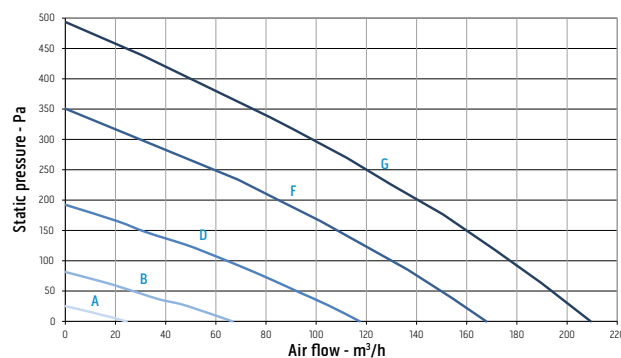
(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes. Energy efficiency classes refer to a range between A+ and G.

**SITALI CXOA 180**

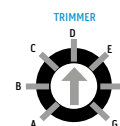


	Speed %	W max	m³/h max
1	20	10	24
2	40	18	67
3	60	36	117
4	80	77	178
5	100	105	209

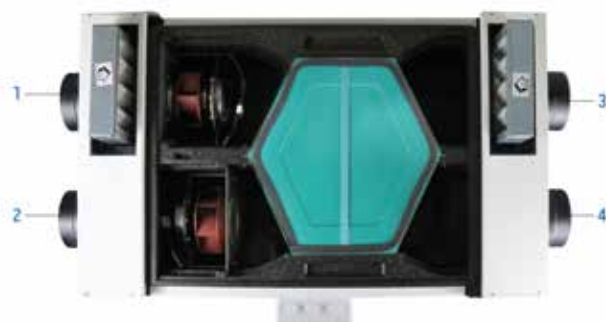
**SITALI CXOM 180**



Trimmer Position	Speed %	W max	m³/h max
A	20	10	24
B	40	18	67
C	53	28	100
D	60	36	117
E	70	47	139
F	80	68	168
G	100	105	209



Inlet curves in accordance with European regulation 1253/2014 (Er P)



1. Air inlet from exterior
2. Air expulsion to exterior
3. Air supplied to interior
4. Air extracted from interior (Winter condensation drain) (Summer condensation drain)

NEW

# SITALI CX 280 S1

## Double flow centralised HRV

Compatible with:  
**SIOS**  
CONTROL



### INTEGRATED PHYSICAL BYPASS

Ideal for "free cooling" operation during the summer



### VERTICAL INSTALLATION

Suitable for wall installation in a vertical position.



### MANUAL OR AUTOMATIC CONTROLS

Sitali CXVA 280 features a multi-function control panel with LCD display (see image on the side). Sitali CXVM 280 does not have controls and must be combined with an S-type control (simplified, one of codes B1061, B1062, B1063).



### FEATURES

- External frame made of pre-coated RAL 9010 galvanized steel.
- Internal structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on long-lasting ball bearings.
- Ultra-quiet and high-performance, balanced centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- Simplified electrical connection: the unit is supplied pre-wired.
- Removable front panel for access to the filters and exchanger.
- Supplied with easily removable ISO Coarse 60% (G4) filters. ISO ePM1 55% filter (F7) on request.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensation drain that can be used based on climatic requirements.
- Left or right configuration for flexible installation

### OPERATION

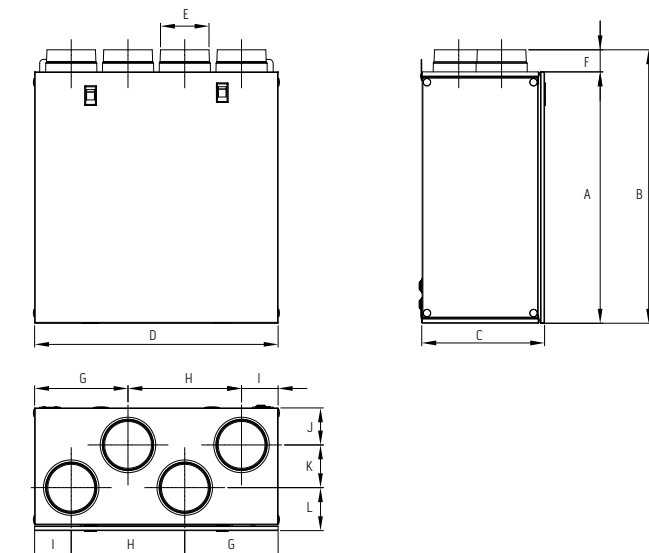
#### Version with CXVA 280 automatic control

- 3-speed setting and selection.
- Boost function.
- Holiday and Night Mode function.
- Weekly programming.
- By-pass control
- Air flow balancing.
- Filter maintenance and fault indicator.
- Hour count indicator
- Settings savings and uploading.
- Connection to remote room sensors (humidity, CO2, etc.)
- ModBus interface.
- Connection to electric heating element before and after the ventilation unit.
- Connection to water heating coil

#### Version with CXVM 280 manual control

- Three-speed operation with simplified external S-type control, which also allows manual activation of the bypass.

### LAYOUT, DIMENSIONS, WEIGHT



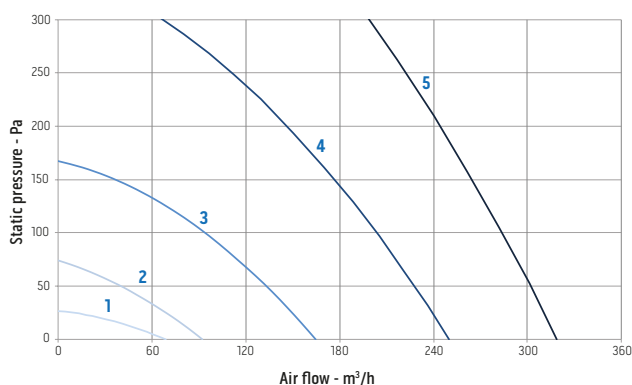
		SITALI CXVA 280 S1	SITALI CXVM 280 S1
A	mm	610	610
B	mm	665	665
C	mm	298	298
D	mm	592	592
E	mm	125	125
F	mm	55	55
G	mm	227	227
H	mm	276	276
I	mm	89	89
J	mm	90	90
K	mm	104	104
L	mm	104	104
Weight	kg	21,4 kg	23 kg

**TECHNICAL DATA**

		SITALI CXVA 280 ST	SITALI CXVM 280 ST
<b>PRODUCT CODE</b>		99205	99204
<b>EAN CODE</b>		8021183992465	8021183992458
Maximum flow rate @100 Pa	m <sup>3</sup> /h	270	270
Electrical power consumption (at the maximum flow rate)	W	170	170
SEC class (local demand control)		A	A
SEC class (central demand control)		A	A
SEC class (manual control - No demand control ventilation)		B	B
Thermal efficiency	%	85	85
Reference flow rate	m <sup>3</sup> /h	189	189
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m <sup>3</sup> /h	0.370	0.370
Sound power level (LWA)	dB(A)	57	57
Electrical power supply		220-240V~/50-60Hz	220-240V~/50-60Hz
IP protection rating		IPX2	IPX2
Sound pressure @3m(1)	dB(A)	24	24
Max room temperature	°C	+40	+40

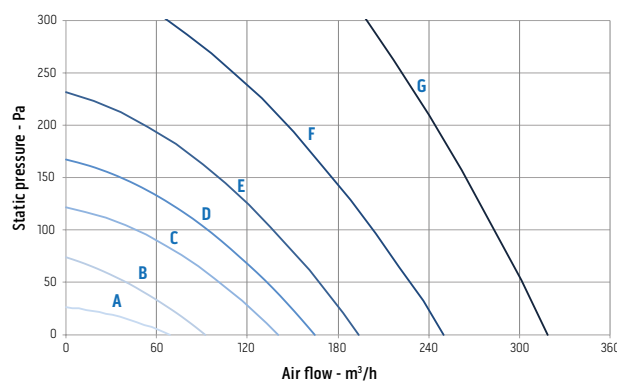
(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes. Energy efficiency classes refer to a range between A+ and G.

**SITALI CXVA 280 ST**

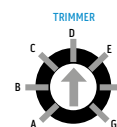


	Speed %	W max	m <sup>3</sup> /h max
1	20	8	55
2	40	14	92
3	60	33	165
4	80	86	250
5	100	178	319

**SITALI CXVM 280 ST**



Trimmer Position	Speed %	W max	m <sup>3</sup> /h max
A	20	8	55
B	40	14	92
C	53	21	143
D	60	33	165
E	70	41	197
F	80	86	250
G	100	178	319



Inlet curves in accordance with European regulation 1253/2014 (Er P)



- 1. Air expulsion to exterior
  - 2. Air inlet from exterior
  - 3. Air extracted from interior
  - 4. Air supplied to interior  
(Winter condensation drain)  
(Summer condensation drain)
- LH flow direction

# SITALI CX 400

## Double flow centralised HRV

Compatible with:  
**SIOS**  
CONTROL



### INTEGRATED PHYSICAL BYPASS

Ideal for "free cooling" operation during the summer



### VERTICAL INSTALLATION

Suitable for wall installation in a vertical position.



### AUTOMATIC CONTROL

The unit is supplied with a multi-function control panel and LCD display.



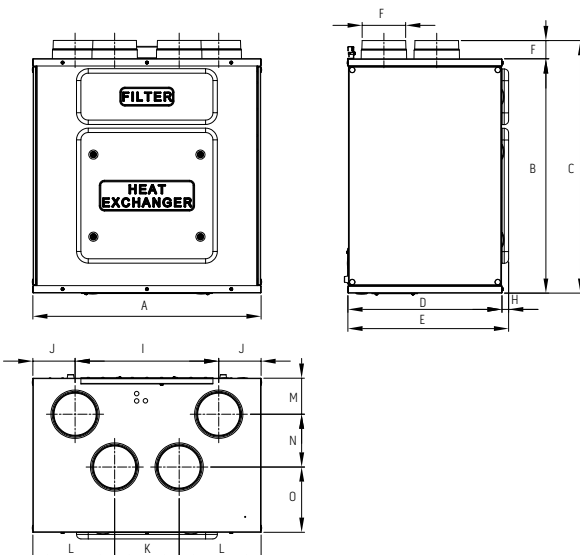
### FEATURES

- External frame made of pre-coated RAL 9010 galvanized steel.
- Internal structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on ball bearings for long service life.
- Ultra-quiet and high-performance, balanced centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- Simplified electrical connection: the unit is supplied pre-wired.
- ISO Coarse 60% (G4) filters easily removable from the outside. The unit is also fitted with an ISO ePM1 60% filter (F7) on the air inlet.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensation drain that can be used based on climatic requirements.
- Left or right configuration for flexible installation

### OPERATION

- 3-speed setting.
- Boost function.
- Holiday and Night Mode function.
- Weekly programming.
- Bypass control.
- Air flow balancing.
- Filter maintenance and fault indicator.
- Operating hours counter.
- Settings saving and upload.
- Connection of remote room sensors (humidity, CO2, etc.)
- ModBus interface.
- Connection to electric heating element before and after the ventilation unit.
- Water coil connection for heating.

### LAYOUT, DIMENSIONS, WEIGHT

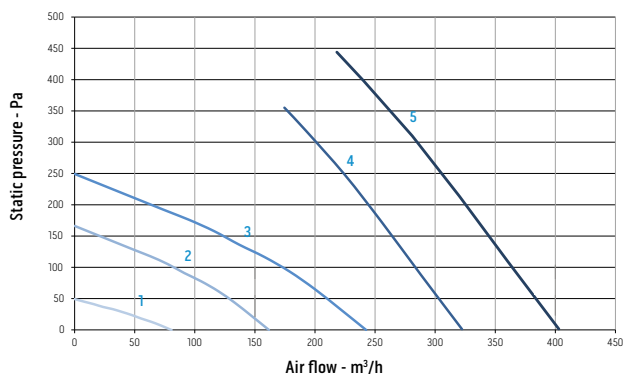


		SITALI CXVA 400
A	mm	778
B	mm	799
C	mm	860
D	mm	525
E	mm	549
F	mm	148
G	mm	62
H	mm	23
I	mm	490
J	mm	144
K	mm	220
L	mm	279
M	mm	1225
N	mm	180
O	mm	222.5
Weight	kg	34,5 kg

**TECHNICAL DATA**

		SITALI CXVA 400
<b>PRODUCT CODE</b>		99244
<b>EAN CODE</b>		8021183992441
Maximum flow rate @100 Pa	m <sup>3</sup> /h	363
Electrical power consumption (at the maximum flow rate)	W	160
SEC class (local demand control)		A+
SEC class (central demand control)		A
SEC class (manual control - No demand control ventilation)		A
Thermal efficiency	%	86
Reference flow rate	m <sup>3</sup> /h	254
Reference pressure difference	Pa	50
Specific power consumption (SPI)	W/m <sup>3</sup> /h	0.268
Sound power level (LWA)	dB(A)	52
Electrical power supply		220-240V~/50-60Hz
IP protection rating		IPX4
Sound pressure @3m(1)	dB(A)	26
Max room temperature	°C	+40

(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes. Energy efficiency classes refer to a range between A+ and G.

**SITALI CXVA 400**


	Speed %	W max	m <sup>3</sup> /h max
1	20	10	84
2	40	22	162
3	60	48	243
4	80	90	322
5	100	160	403

Inlet curves in accordance with European regulation 1253/2014 (Er P)



1. Air expulsion to exterior
  2. Air inlet from exterior
  3. Air supplied to interior
  4. Air extracted from interior (Winter condensation drain) (Summer condensation drain)
- LH flow direction



# SITALI CX 550

## Double flow centralised HRV

Compatible with:  
**SiOS**  
CONTROL



### INTEGRATED PHYSICAL BYPASS

Ideal for "free cooling" operation during the summer



### VERTICAL INSTALLATION

Suitable for wall installation in a vertical position.



### AUTOMATIC CONTROL

The unit is supplied with a multi-function control panel and LCD display.



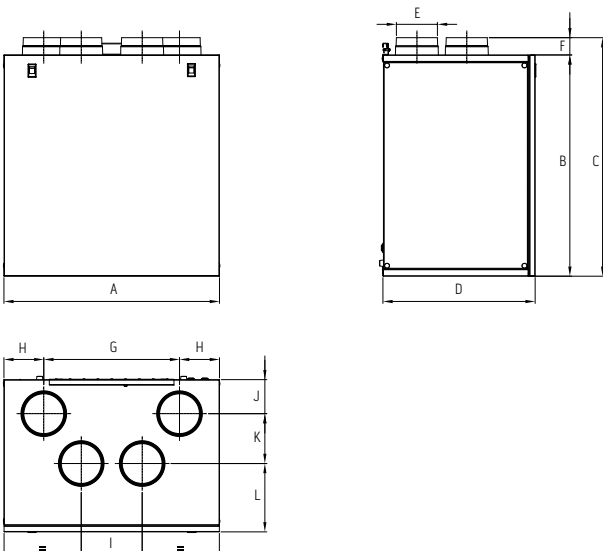
### FEATURES

- External frame made of pre-coated RAL 9010 galvanized steel.
- Internal structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on long-lasting ball bearings.
- Ultra-quiet and high-performance, balanced centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- Simplified electrical connection: the unit is supplied pre-wired.
- Removable front panel for access to the filters and exchanger.
- Supplied with ISO Coarse 60% (G4) filters that can be easily removed from the outside. The unit is also fitted with an ISO ePM1 60% filter (F7) on the air inlet.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensation drain that can be used based on climatic requirements.
- Left or right configuration for flexible installation

### OPERATION

- 3-speed setting.
- Boost function.
- Holiday and Night Mode function.
- Weekly programming.
- Bypass control.
- Air flow balancing.
- Filter maintenance and fault indicator.
- Operating hours counter.
- Settings saving and upload.
- Connection of remote room sensors (humidity, CO2, etc.)
- ModBus interface.
- Connection to electric heating element before and after the ventilation unit.
- Water coil connection for heating.

### LAYOUT, DIMENSIONS, WEIGHT



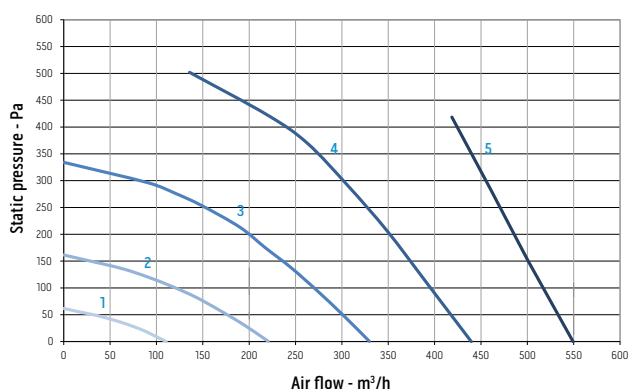
		SITALI CXVA 550
A	mm	778
B	mm	799
C	mm	860
D	mm	549
E	mm	148
F	mm	62
G	mm	490
H	mm	144
I	mm	220
J	mm	122.5
K	mm	180
L	mm	246.5
Weight	kg	44 kg

**TECHNICAL DATA**

		SITALI CXVA 550
<b>PRODUCT CODE</b>		99243
<b>EAN CODE</b>		8021183992434
Maximum flow rate @100 Pa	m <sup>3</sup> /h	520
Electrical power consumption (at the maximum flow rate)	W	333
SEC class (local demand control)		A
SEC class (central demand control)		A
SEC class (manual control - No demand control ventilation)		B
Thermal efficiency	%	82
Reference flow rate	m <sup>3</sup> /h	364
Reference pressure difference	Pa	50
Specific power consumption (SPI)	W/m <sup>3</sup> /h	0.412
Sound power level (LWA)	dB(A)	58
Electrical power supply		220-240V~/50-60Hz
IP protection rating		IPX4
Sound pressure @3m(1)	dB(A)	34
Max room temperature	°C	+40

(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes. Energy efficiency classes refer to a range between A+ and G.

**SITALI CXVA 550**



	Speed %	W max	m <sup>3</sup> /h max
1	20	17	110
2	40	44	221
3	60	110	330
4	80	264	440
5	100	333	550

Inlet curves in accordance with European regulation 1253/2014 (Er P)



- 1. Air expulsion to exterior
  - 2. Air inlet from exterior
  - 3. Air supplied to interior
  - 4. Air extracted from interior  
(Winter condensation drain)  
(Summer condensation drain)
- LH flow direction

# Decentralized HRV accessories



Download  
Additional  
information on  
these accessories

**B0838**

## External grille

High-quality ABS fixed external grille, resistant to impacts and UV rays. Colour RAL 9010. Diameter 100mm. Compatible with Sitali SFE 100.



**B0837**

## Telescopic pipe

PVC telescopic pipe which adapts to the thickness of the wall. Diameter 100mm. Compatible with Sitali SFE 100.



**B1119**

## Terminal unit 150 Silent

"Dnew 45dB), designed to reduce noise coming from outside. Suitable for particularly windy outdoor conditions. Made of RAL9010 pre-painted aluminium sheet, equipped with fireproof sound-absorbing mat, front inspection panel, drip trap and anti-insect net. Possibility of semi-recessed installation as well. Compatible with Sitali SF 150 S1.



# Centralised HRV accessories

## External air distribution

### ABS ext grille

High-quality ABS fixed external grille, resistant to impacts and UV rays. Colour RAL 9010.



<b>B1065</b>	Diameter 100mm
<b>B1066</b>	Diameter 125mm
<b>B1067</b>	Diameter 150mm

### Flex ALU ISO

Flexible pipe, 10m in length, made with aluminium/polyester/micro-perforated aluminium walls for air passage noise reduction and steel concertina wire. Polyester fibre thermal insulation coating (thickness 25mm/16kg/m<sup>3</sup>) and aluminium-coated polyolefin film outer protection.



<b>B1068</b>	Diameter 127mm
<b>B1069</b>	Diameter 160mm

### Wall passage

Wall penetration kit with external terminal in galvanised sheet metal coated in RAL 9010 and fitted with sound-absorbing mat.

<b>B1074</b>	Diameter 125mm
<b>B1075</b>	Diameter 150mm



### Telescopic pipe

PVC telescopic pipes which adapt to the thickness of the wall. (L=300-570 mm).

<b>B1103</b>	Diameter 100mm
<b>B1104</b>	Diameter 125mm
<b>B1105</b>	Diameter 150mm



### EPE pipe

Insulated and soundproofed EPE pipe, with smooth interior and exterior; length 2m.

<b>B1110</b>	DN125 L=2m
<b>B1114</b>	DN150 L=2m



### EPE 90 bend

Insulated and soundproofed EPE bend, with smooth interior and exterior.

<b>B1111</b>	DN125
<b>B1115</b>	DN150



### EPE coupling

Coupling for connecting EPE pipe/EPE pipe, EPE pipe/EPE 90 bend.

<b>B1112</b>	DN125
<b>B1116</b>	DN150



### EPE collar

Bracket collar and for connection of the EPE/ventilation unit pipe and EPE pipe/distribution plenum.

<b>B1113</b>	DN125
<b>B1117</b>	DN150



## Internal air distribution

### E-I designer vent

Extraction/inlet vent with flow rate adjustment module; front cover made of high-quality ABS; white RAL 9010. The adjustment module consists of removable concentric circles to define the desired volume of air.

<b>B1058</b>	Diameter 80mm
<b>B1055</b>	Diameter 100mm
<b>B1056</b>	Diameter 125mm
<b>B1057</b>	Diameter 150mm



### FT-WHITE grille

Rectangular steel grille pre-coated in RAL 9010 white, with round perforated screen and magnetic attachment system.

<b>B1070</b>	Dimension 200x100mm
<b>B1072</b>	Dimension 300x100mm



### FT-METAL grille

Rectangular steel grille with metallic finish, round perforated screen and magnetic attachment system.

<b>B1071</b>	Dimension 200x100mm
<b>B1073</b>	Dimension 300x100mm



### B1059 Flex HDPE 75/63

Flexible 75/63 pipe with antimicrobial, antibacterial and antistatic treatment, made with high-density double polyethylene wall; corrugated on the outside and smooth on the inside; supplied with end caps; used to channel the air from the distribution plenum to the air inlet and extraction vents. Suitable for installation in concrete slab, false ceilings or on walls. Length 50 m.



### B1054 FLEX HDPE 75/63 90° adaptor

90° angle adaptor, Ø125mm with 2 attachments Ø80mm (for Flex HDPE 75/63 duct), including 2 protection/end caps, length 250mm. Suitable for designer vents with 125mm diameter and extraction/inlet valves.



**FLEX HDPE 75/63 hooks**

Connection kit for Flex HDPE 75/63 pipe to make worksite installation easier. Available in packs of 12 in red or blue to identify the air flow direction.



<b>B1076</b>	Blue
<b>B1077</b>	Red

**B1078 FLEX HDPE 75/63 90° bend**

90° bend kit for Flex HDPE 75/63 pipe with sealing rings included.

**B1087 FLEX HDPE 75/63 coupling**

Coupling kit for Flex HDPE 75/63 pipe with sealing rings included.

**B1088 O-Ring FLEX HDPE 75/63**

O-ring kit for Flex HDPE 75/63 pipe (pack of 10).

**B1095 Plenum P Ø125mm - 4 outlets (for Flex HDPE)**

Distribution plenum, 1 inlet Ø125mm, 4 outlets Ø80mm (for Flex HDPE 75/63 duct) and 5 protection/end caps supplied.

**B1096 Plenum P Ø125mm - 6 outlets (for Flex HDPE)**

Distribution plenum, 1 inlet Ø125mm, 6 outlets Ø80mm (for Flex HDPE 75/63 duct) and 7 protection/end caps supplied.

**B1094 Plenum P Ø125mm - 10 outlets (for Flex HDPE)**

Distribution plenum, 1 inlet Ø125mm, 10 outlets Ø80mm (for Flex HDPE 75/63 duct) and 11 protection/end caps supplied.

**B1098 Plenum P Ø150mm - 10 outlets (for Flex HDPE)**

Distribution plenum, 1 inlet Ø150mm, 10 outlets Ø80mm (for Flex HDPE 75/63 duct) and 11 protection/end caps supplied.

**B1099 Plenum P Ø150mm - 15 outlets (for Flex HDPE)**

Distribution plenum, 1 inlet Ø150mm, 15 outlets Ø80mm (for Flex HDPE 75/63 duct) and 16 protection/end caps supplied.

**B1092 Plenum L 200x100mm - 1 coupling (for Flex HDPE)**

Inlet/extraction plenum, 1 fitting on the long side Ø80mm, complete with anti-mortar closure and 1 cap (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

**B1093 Plenum L 300x100mm - 2 couplings (for Flex HDPE)**

Inlet/extraction plenum, 2 fittings on the long side Ø80mm, complete with anti-mortar closure and 2 caps (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).



**B1101****Plenum P 200x100mm - 1 coupling (for Flex HDPE)**

Inlet/extraction plenum, 1 rear fitting Ø80mm, complete with anti-mortar closure and 1 cap (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

**B1102****Plenum P 300x100mm - 2 couplings (for Flex HDPE)**

Inlet/extraction plenum, 2 fittings on the rear Ø80mm, complete with anti-mortar closure and 2 caps (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

**B1091****Plenum LCS 200x100mm - 1 coupling (for Flex HDPE)**

Inlet/extraction plenum, 1 fitting on the short side Ø80mm, complete with anti-mortar closure and 1 cap (for Flex HDPE 75/63 duct).

**B1089****Plenum L 140x140mm - 1 coupling (for Flex HDPE)**

Inlet/extraction plenum with 1 side coupling Ø80mm (for HDPE 75/63). Including anti-mortar closure and 1 protection/end cap. Dimension 140x140mm. Suitable for designer vents measuring 80 and 100mm in diameter.

**B1090****Plenum L 200x200mm - 2 couplings (for Flex HDPE)**

Inlet/extraction plenum with 2 side couplings Ø80mm (for HDPE 75/63). Including anti-mortar closure and 2 protection/end caps. Dimension 200x200mm. Suitable for designer vents measuring 125 and 150mm in diameter.

**B1097****Plenum P 140x140mm - 1 coupling (for Flex HDPE)**

Inlet/extraction plenum with 1 rear coupling Ø80mm (for HDPE 75/63). Including anti-mortar closure and 1 protection/end cap. Suitable for designer vents measuring 80 and 100mm in diameter.

**B1100****Plenum P 200x200mm - 2 couplings (for Flex HDPE)**

Inlet/extraction plenum with 2 rear couplings Ø80mm (for HDPE 75/63). Including anti-mortar closure and 2 protection/end caps. Suitable for designer vents measuring 125 and 150mm in diameter.

**B1106****CAL80 damper**

Flow rate regulator damper, designed to be attached to the vents Ø80mm of the inlet/extraction plenum or distribution plenum, made of polypropylene, with quick-fit system, including wing-shaped fins to ensure maximum acoustic comfort. Pack of three.

**B1107****METAL EST 125 valve**

Valid for extraction in RAL 9010 coated steel, Ø125mm, manually and progressively adjustable.

**B1108****PP EST-MM 125 valve**

Valid for extraction/inlet in white PP, Ø125mm, manually and progressively adjustable.

**B1109****METAL IMM 125 valve**

Valid for inlet in RAL 9010 coated steel, Ø125mm, manually and progressively adjustable.



## Remote controls

### B1061 Control-S 2 recessed modules

Remote control for HRV unit with heat recovery, including 3 switches. Option to select 3 speeds and enable free-cooling mode. 230V~ 50/60Hz.



### B1062 Control-S 3 recessed modules

Remote control for HRV unit with heat recovery, including 3 switches. Option to select 3 speeds and enable free-cooling mode. 230V~ 50/60Hz. Version for recessed installation with 3 modules suitable for box 503.



### B1063 Control-S wall installation

Remote control for HRV unit with heat recovery, including 3 switches. Option to select 3 speeds and enable free-cooling mode. 230V~ 50/60Hz.



## Other accessories

### B1060 F7 filter box

External cassette including F7 filter with galvanised metal sheet pre-coated with RAL 9010 and attachment with 125mm attachment. Suitable for CX 120, CX180 and CX28



### F7 filters

Class F7 filtration elements (pack of 1 item).

<b>B1079</b>	For Sitali CX 120
<b>B1081</b>	For Sitali CX 180
<b>B1083</b>	For Sitali CX 280
<b>B1085</b>	For Sitali CX 400-550



### G4 filters

Class G4 filtration elements (pack of 2 items).

<b>B1080</b>	For Sitali CX 120
<b>B1082</b>	For Sitali CX 180
<b>B1084</b>	For Sitali CX 280
<b>B1086</b>	For Sitali CX 400 - 550



### M5 filters

Class M5 filtration elements (pack of 2 items).

<b>B1207</b>	For Sitali CX 280 S1
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