



SandP FLEXEO 3V Series Static Heat Recovery Units Instruction Manual

[Home](#) » [SandP](#) » SandP FLEXEO 3V Series Static Heat Recovery Units Instruction Manual 

Contents

- 1 SandP FLEXEO 3V Series Static Heat Recovery Units
- 2 Product Information
- 3 Dimensions
- 4 Technical Characteristics
- 5 Product Usage Instructions
- 6 Installation in Single Dwellings
- 7 Mounting Accessories
- 8 FLEXEO 3V Series
- 9 MOUNTING FLEXIBILITY
- 10 Specific applications
- 11 ACOUSTIC DATA
- 12 PERFORMANCE CURVES
- 13 EFFICIENCY CURVE
- 14 AIRFLOW DIRECTION
- 15 INSTALLATION IN SINGLE DWELLINGS
- 16 MOUNTING ACCESSORIES
- 17 Documents / Resources



SandP FLEXEO 3V Series Static Heat Recovery Units



Product Information

The FLEXEO 3V Series is a range of static heat recovery units designed for residential and light commercial installations. The series includes two models, FLEXEO BP FL 3V with a cable remote control and FLEXEO BP RD 3V with a radio frequency remote control. The units are highly flexible and can be configured in multiple ways using independent modules. The FLEXEO series is manufactured by Soler & Palau.

Dimensions

The dimensions of the heat recovery module FLEXEO BP (with bypass) are 1372mm x 691mm x 206mm. The fan modules are 691mm x 253mm x 99mm. The maximum airflow at 100Pa is 210 m³/h and the maximum efficiency is 94%.

Technical Characteristics

The FLEXEO BP FL 3V and FLEXEO BP RD 3V models have air connections of 125mm and operate at a voltage of 230V. The absorbed power is 100W and the maximum efficiency is 94%. The sound pressure at 3m distance is between 15.5 to 43 dB(A), depending on the frequency.

Product Usage Instructions

Mounting Flexibility

The FLEXEO series can be installed in single dwellings or multi-dwelling blocks. The independent modules allow for multiple configurations to suit specific applications.

Installation in Single Dwellings

The different parts of the unit, including fans and exchangers, can be installed in different areas to improve performance and reduce noise. The following areas are recommended for installation:

- Loft
- Ceiling voids
- Heated rooms (corridor, bathroom, dining room)
- Non-heated rooms (garage, laundry room)

Refer to the example installation diagram provided in the user manual for guidance.

Mounting Accessories

The FLEXEO series can be fitted with various mounting accessories including:

- KIT M5/G4 FLEXEO replacement kit of M5 and G4 filters
- BARJ BARP self-adjusting calibrated extraction valves
- BDOP supply and extraction valve
- RDR self-adjusting damper (50-250 Pa) that fits inside the duct and maintains constant airflow
- GPR-ISO insulated rigid duct
- RD BP specific low-pressure (20-100 Pa) and self-adjusting damper with a sleeve to fit directly into the duct. 80mm diameter.
- **Airflow:** 15 or 30 m³/h.

STATIC HEAT RECOVERY UNITS. RESIDENTIAL AND LIGHT COMMERCIAL INSTALLATIONS

FLEXEO 3V Series

Heat recovery unit with high-efficiency heat exchanger up to 94%. Its main feature is the possibility to be adapted to all configurations. The construction with independent modules allows high flexibility and several fitting options. It can be mounted on the floor and on the ceiling. On the wall, it can be mounted in vertical or horizontal position. Its low profile (300 mm) allows fitting into a false ceiling. It can be equipped with a 100% bypass, maintaining its low profile. To ensure good air quality, is equipped with a F5 filter on the inlet side and, to protect the core, a G4 on the extraction side. With its remote control, it is possible to manage the boost function, the bypass, and the filter reset alarm.

Models

- **FLEXEO BP FL 3V:** Cable remote control.
- **FLEXEO BP RD 3V:** Radio frequency remote control.

Configuration

- Counter flow heat exchanger.
- EPP body.
- Spigots pivoting to 90°.
- Fan modules x 2

- 100% bypass , automatic or manual.
- Manual boost function.
- **Inlet filter:** M5 (ISO ePM10 50%, at 210m3/h). Option, F7 (ISO ePM1 50%, at 210 m3/h).
- Extraction filter G4 (ISO coarse 60%, at 210m3/h).
- Wall or ceiling mounting kit
- Opening for access to the core by quarter turn fasteners.



MOUNTING FLEXIBILITY



FLEXEO consists of independent modules, which allow multiple configurations.

Specific applications



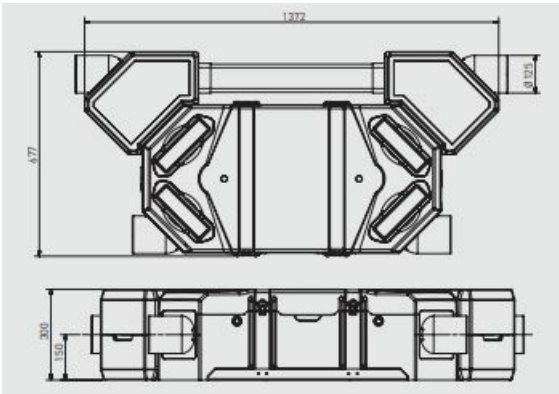
Remote control by cable or wireless:

- Bypass

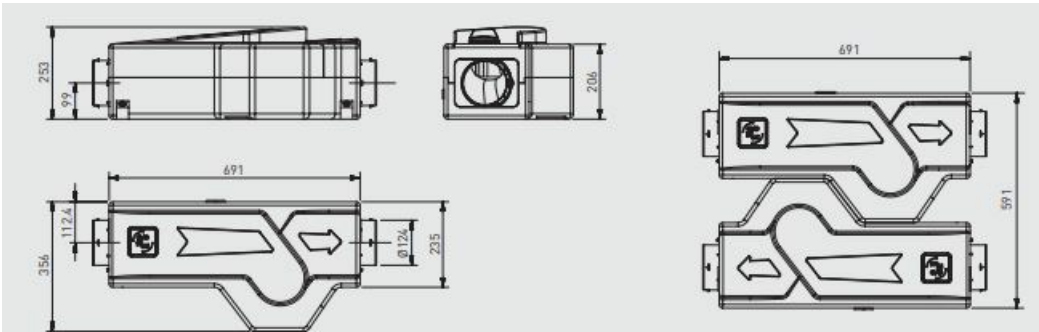
- Boost
- Absence mode
- Filter reset

DIMENSIONS (mm)

Heat recovery module FLEXEO BP (with bypass)



Fan modules



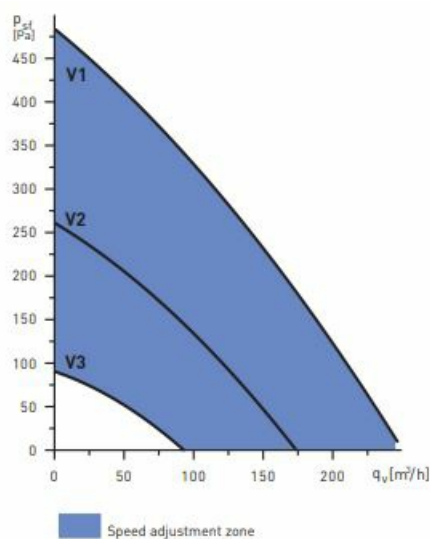
TECHNICAL CHARACTERISTICS

Model	Air connections (mm)	Voltage (V)	Maximum airflow at 100Pa (m3/h)	Absorbed power (W)	Maximum Efficiency (%)
FLEXEO BP FL 3V	125	230	210	100	94
FLEXEO BP RD 3V	125	230	210	100	94

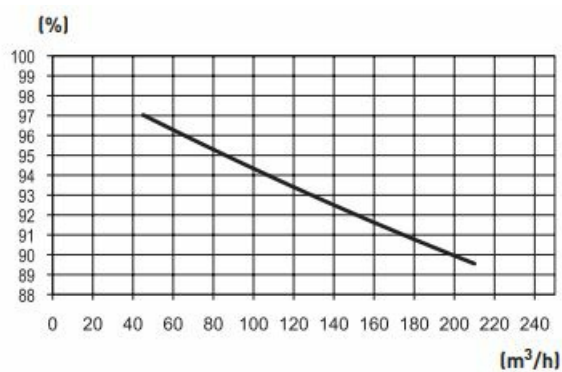
ACOUSTIC DATA

Sound pressure, at 3 m distance [210 m ³ /h @ 100 Pa]									
Hz	63	125	250	500	1000	2000	4000	8000	TOTAL dB(A)
OUTLET	2,4	12	15,5	32,9	17,6	10,3	3	2,3	31,8
INLET	10	13,5	17	27,5	22,3	14,5	5,9	2,5	28,4
RADIATED	4,5	10,4	30	35,6	28,9	28	31,8	19	43

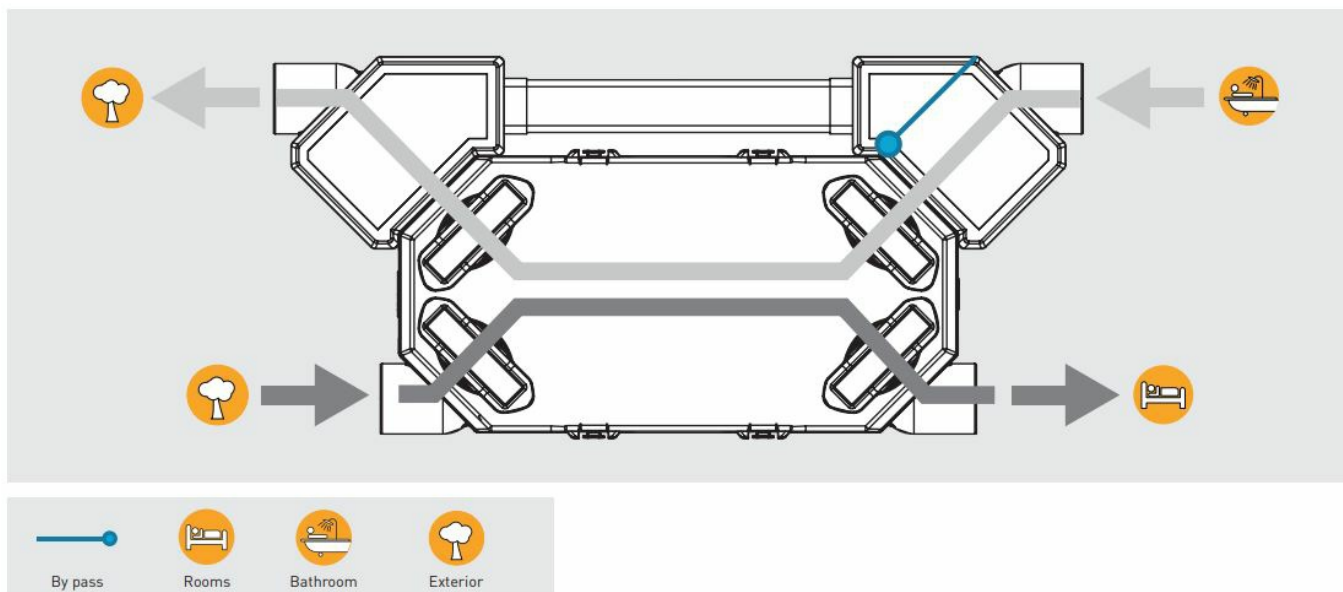
PERFORMANCE CURVES



EFFICIENCY CURVE

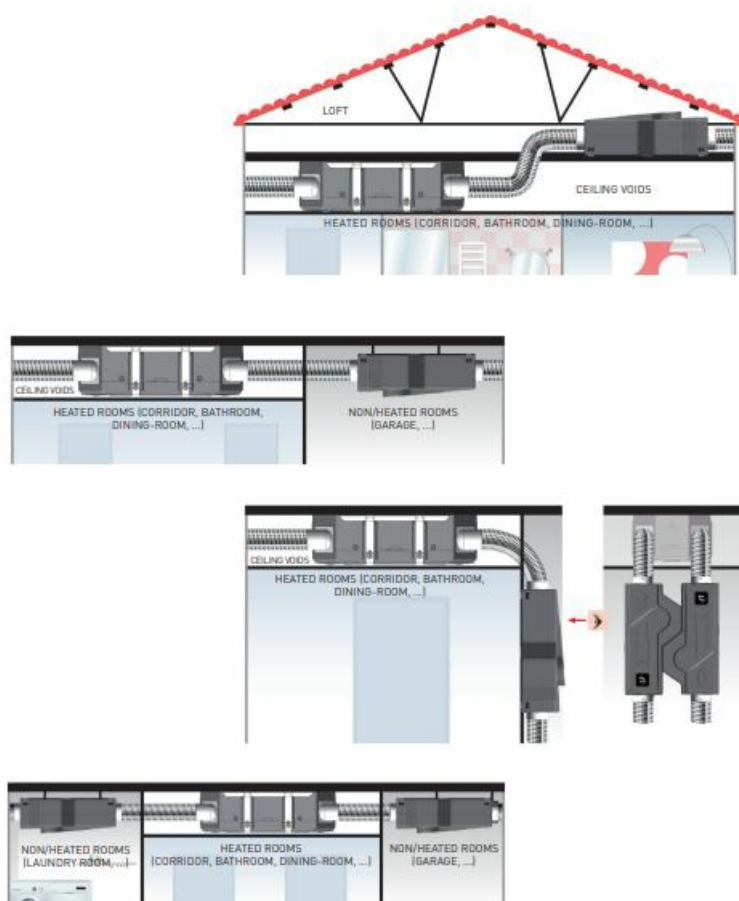


AIRFLOW DIRECTION



INSTALLATION IN SINGLE DWELLINGS

The different parts (fans and exchanger) can be installed in different areas in order to improve performance and reduce noise.



FLEXEO SERIES – EXAMPLE OF INSTALLATION IN SINGLE DWELLINGS



1. Wall-mounted air inlet grille TAP.
2. Supply and extraction valves BDOP.
3. Self-adjusting extraction valve BARJ / BARP
4. Flexible insulated duct GP ISO.
5. Extraction plenum
6. Supply plenum
7. VENT-FLEXEO supply motorized fan and VENT-FLEXEO extraction motorized fan.
8. CADS-FLEXEO: Static heat recovery unit.
9. Roof terminal cowl CT.

MOUNTING ACCESSORIES

	KIT M5/G4 FLEXEO Replacement kit of M5 and G4 filters.		BARJ BARP Self-adjusting calibrated extraction valves.		BDOP Supply and extraction valve.
	RDR Self-adjusting damper (50-250 Pa) that, fitted inside the duct, maintains constant airflow.		RD BP Specific low-pressure (20-100 Pa) and self-adjusting damper with sleeve to fit directly into the duct. 80mm diameter. Airflow: 15 or 30 m³/h.		RD BP SM Specific low-pressure (20-100 Pa) and self-adjusting damper without sleeve to fit directly into the sleeve of the BDOP. 80mm diameter. Airflow: 15 or 30 m³/h.
	GPR-ISO Insulated rigid duct.		GP GPX GP-PRO GP-ISO Insulated PVC ducts.		TUBPLA V Self-extinguishing rectangular ducts with or without gasket.
	TAT Air inlet grille under roof.		TAP Wall mounted air inlet grille.		PAF Wall outlet grille.
	CT Roof cowl.		ADRF 100/80 Reduction to connect rigid duct to spigots for flexible ducts.		PLENUM UNI EXT 6+1 Insulated extraction plenum of 125/ 150-160mm diameter, 1 Kitchen spigot of 125mm diameter and up to 6 sanitary spigots of 80mm diameter.
	PLENUM UNI IMP 8 Insulated supply plenum of 125/150-160mm diameter and up to 8 spigots for dry areas (living room, dining room, bathrooms) of 80mm diameter.				

Heat recovery units FLEXEO www.solerpalau.com.

Documents / Resources

	<p>SandP FLEXEO 3V Series Static Heat Recovery Units [pdf] Instruction Manual FLEXEO BP FL 3V, FLEXEO BP RD 3V, FLEXEO 3V Series Static Heat Recovery Units, FLEXEO 3V Series, FLEXEO 3V Series Heat Recovery Units, Static Heat Recovery Units, Heat Recovery Units, Recovery Units</p>
---	--

[Manuals+](#).