



ALVITHERM

Electric
self-regulated
air-warmer extractor unit



VENTILATION OF PROFESSIONAL KITCHENS, A SPECIALIST AFFAIR.

ALVITHERM

DESIGN / MANUFACTURE

The casing is made of self-supporting galvanised steel panels, **with double skin insulation (thickness 15 mm)**. Access to the unit elements is made easier by a door with handles and quarter turn screws, leak tightness is provided by a seal.

Connection hoop of the intake and discharge, in line orientation.

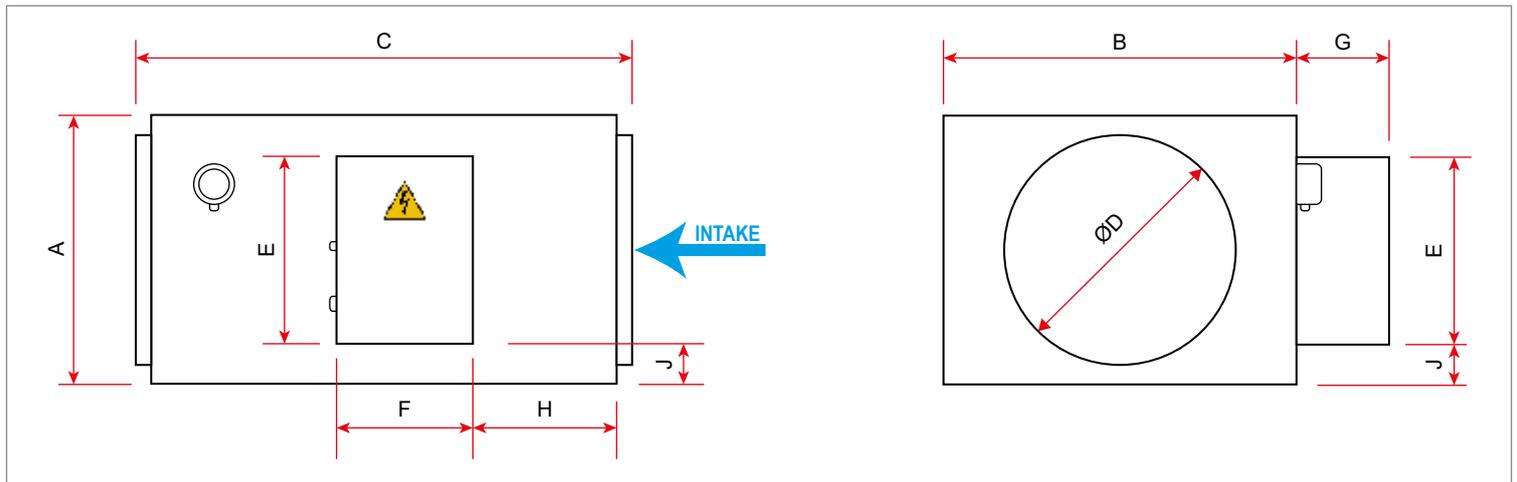
Fitted with G4 synthetic filters (95% gravimetric) mounted on slides, a motor fan, an electric coil, a flow control pressure switch and an electric cabinet for the regulation.

A control box is the interface between the regulation cabinet and the ambient sensor (supplied with 25 m of wire).

A duct sensor is used to regulate the blower temperature.

ALVITHERM units are available with galvanised steel double outlet motor-fans that are IP 55, class F, compliant with the ErP 2015 directive. Plexo connection box fixed to the cylinder. Exterior rotor motor fixed to a shaft on silentblocs. Single phased 230V, 50 Hz frequency power supply.

DIMENSIONS / WEIGHT



ALVITHERM	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	Weight (kg)
T1	405	597	841	315	367	265	180	155	20	65
T2	526	686	944	400	367	265	180	275	80	95

STRENGTHS

- Easy to install thanks to its built-in regulation cabinet.
- Comfort of use with its 2 ventilation speeds and 2 heating stages.
- Use possible with compensation coupled to a kitchen extractor (0-10V input).

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OPERATING PRINCIPLE

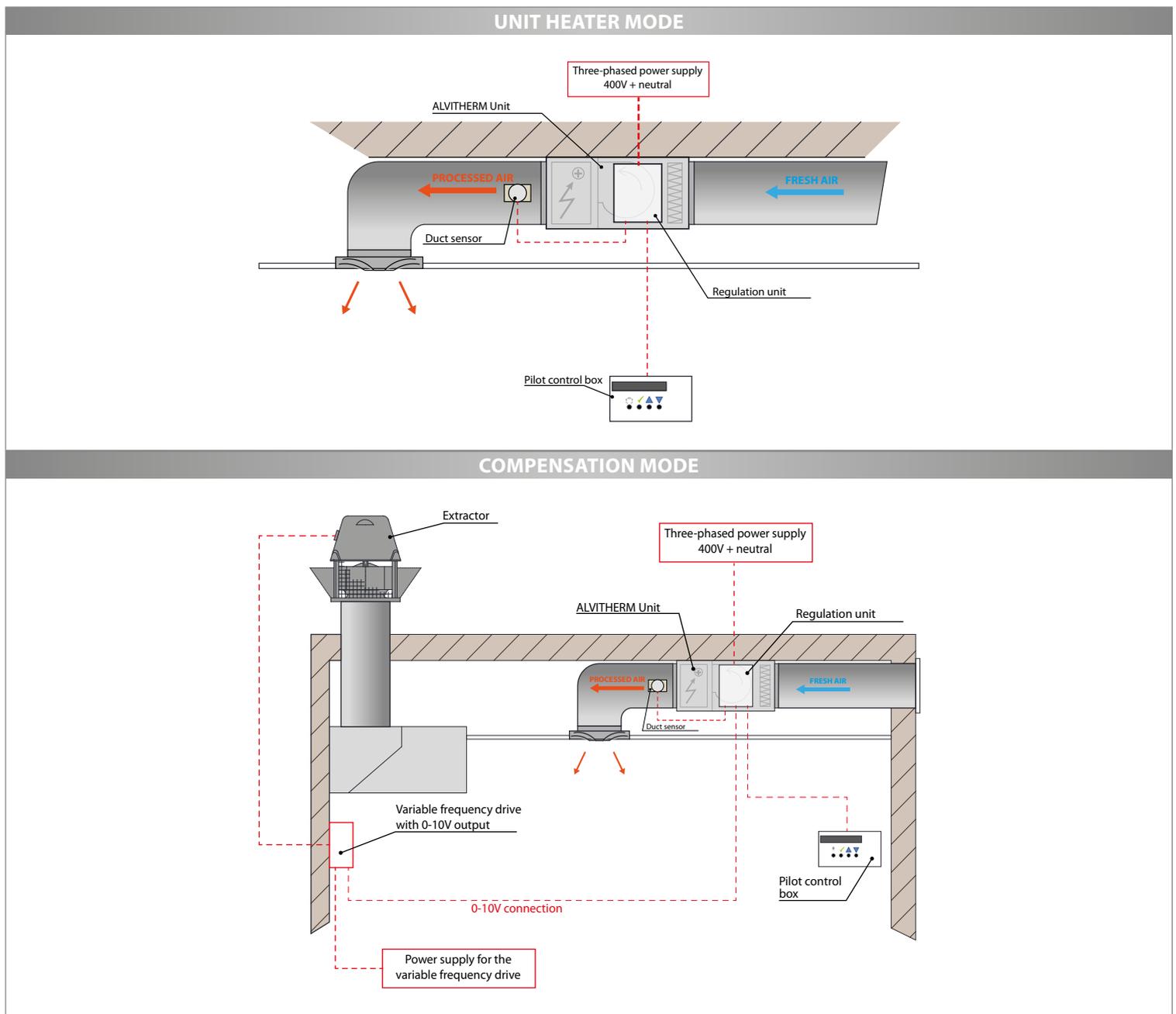
- Air handling unit with self-regulated electric coil.
- Set point temperature adjustable from +7°C to +35°C.
- Automatic post ventilation on stoppage of the system.
- Weekly programming.
- Possibility of programming 2 time ranges and 2 set point temperatures: comfortable and economic.
- Possible variation of the motor-fan rotation speed (a minimum threshold is provided to protect the coil).

2 operating modes are available:

UNIT HEATER MODE: Automatic regulation of the motor-fan rotation speed and the electric coil power.

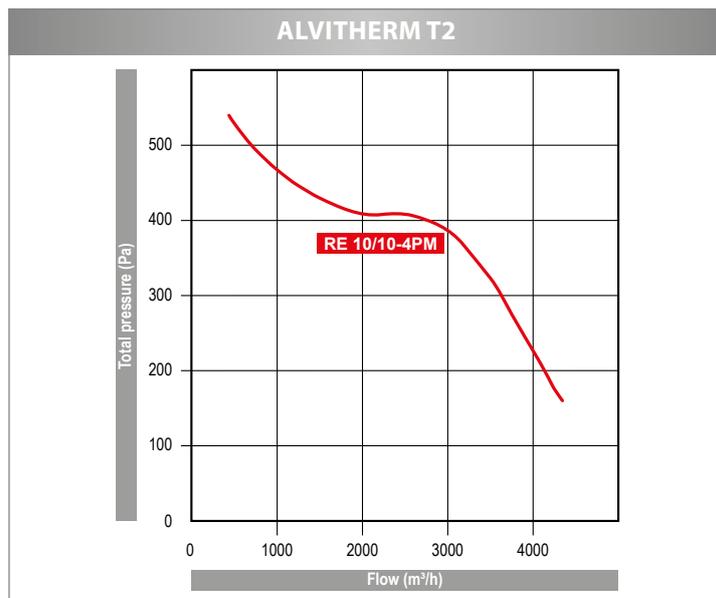
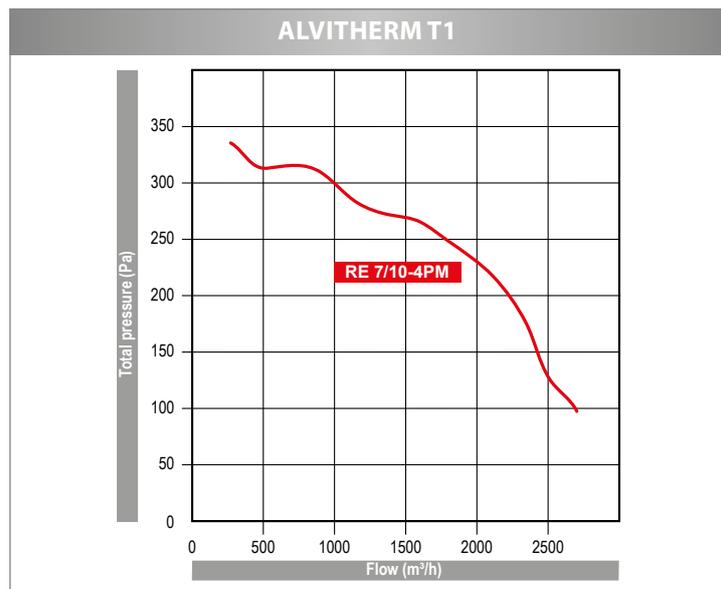
COMPENSATION MODE: Automatic regulation of the electric coil. Motor-fan rotation speed managed by the pilot extraction unit.

PRINCIPLE DIAGRAMS



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SELECTION GRAPHS



ELECTRIC SPECIFICATIONS

Unit tetrapolar general power supply.

ALVITHERM	Fans	Voltage (V)	Speed (rpm)	Int. (A)	Power (W)	Freq. (Hz)	Class	IP	Cond. (mF)	Use Temperature (°C)
T1	RE 7/10-4PM	Single phase 230	1320	3.8	420	50	F	55	16	-20/40
T2	RE 10/10-4PM	Single phase 230	1380	6.6	600	50	F	55	25	-20/40

Coil	Voltage (V)	Power (kW)	Speed
T1	Tri 400 V	12	1 (12)
T1	Tri 400 V	24	2 (12+12)
T2	Tri 400 V	12	1 (12)
T2	Tri 400 V	24	2 (12+12)
T2	Tri 400 V	36	2 (18+18)

