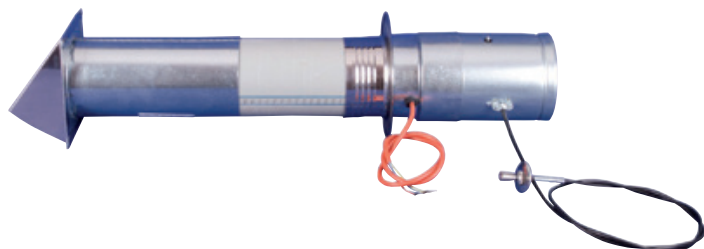


## Why preheated combustion air?

In the case of cold external temperatures, the risk of condensation builds up in systems with external air supply. Warm, moisture-saturated air condenses on the surfaces of the air duct, which are strongly cooled by the cold ambient air, and the furnace construction in the area of the incoming air. This often results in rust damage in the system and consequently to disappointed or unsatisfied customers.

Cold combustion air often also increases the, starting difficulties during heating because the required ignition temperature and the uplift in the chimney are more difficult to achieve due to the steadily flowing cold air.



- **WARM-UP fresh air connection, heated with connection piece for a direct connection of a heat system**
- **sealed intake valve with silicone lip and PP insert for thermal isolation**
- **Stainless steel cover with integrated insect screen**
- **Adaptor for three connection sizes included**
- **WARM-UP also with 8x8 mm inner square coupling if desired**

### Specifications

	WARM UP 80	WARM UP 125	WARM UP 150
Ø connection/ +adaptor	80 mm / 100 mm	125 mm / 150 mm	150 mm / 180 mm
max. capacity	38 m³/h	76 m³/h	140 m³/h
max. power consumption	100 W	270 W	365 W
power supply	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
flow resistance	Zeta 1,5	Zeta 1,5	Zeta 1,5

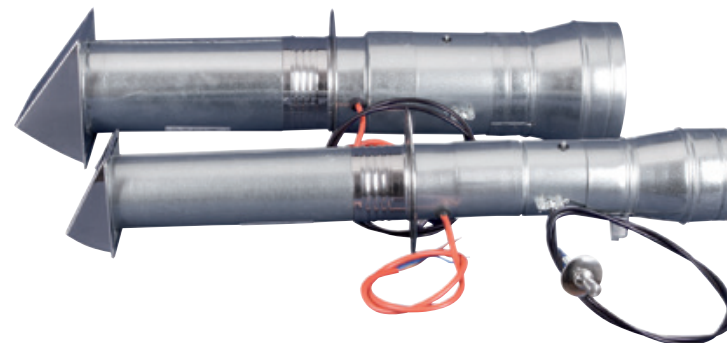
CE-certified



## WARM UP Heated fresh air connection

### Installation and operating instructions

Subtiel Warm-Up -  
The compact high-tech solution for pre-heating the combustion air.



(subtiel)  
kontor

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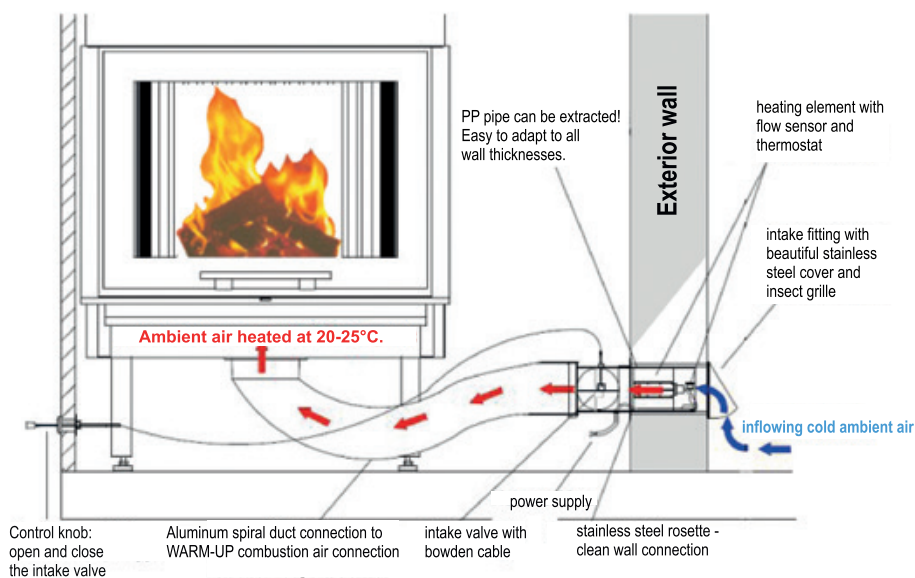
### Attention !

The power supply of the device requires only one socket close to the device and a corresponding plug!

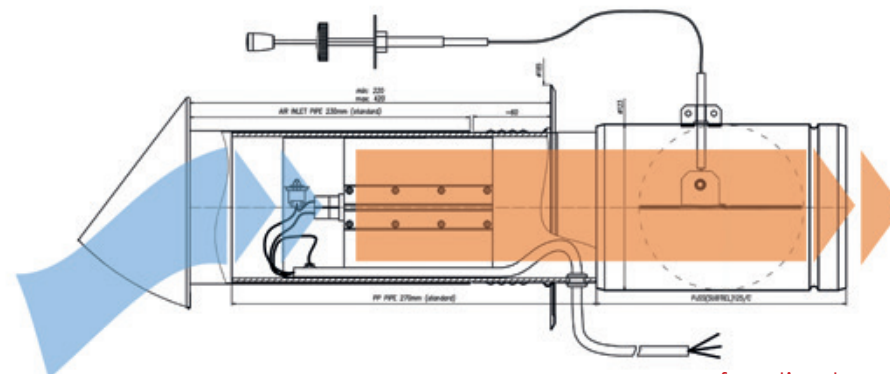
## Installation

Due to the variable installation depth of 235 to 460 mm, the WARM-UP fresh air module can be adapted to any wall thickness. The included stainless steel rosette provides a clean and aesthetic finish on the inside of the mounting wall. The included adapter allows three connection sizes: Ø 80 + 100 mm, Ø 125 + 150 mm or Ø 150 + 180 mm.

## Functionality



To heat up, the built-in, close-fitting intake valve, which is connected to the stainless steel control knob via 120 cm long bowden cable, will be opened. The required combustion air can flow in. The Subtiel-WARM-UP switches on automatically when the inflowing ambient air drops below approx. 7 ° C and negative pressure is measured in the air duct of the fireplace. The combustion air, preheated by approx. 20 - 25 ° C, flows into the combustion chamber, accelerates ignition of the fuel and care for a better combustion with optimized ef-



function layout

iciency, a nice flame and a cleaner viewing window by higher temperature. The built-in temperature sensor controls the generated heat quantity. The colder the ambient temperature, the more heat is supplied. If the ambient air rises above approx. 7 ° C, the Subtiel- WARM-UP switches off automatically.

The heating of the cold outside air ensures that no unwanted condensation is formed on the air ducts and on the heating insert with subsequent corrosion.

- + Stylish, weather-resistant stainless steel cover
- + Integrated insect screen
- + accurately fitting: infinitely adjustable from 235 mm to 460 mm
- + 3 models = 6 sizes through the supplied adapter
- + Integrated sealing dumper with silicone lip
- + **WARM-UP only heats with open intake valve**
- + **The combustion air flow remains with the engine switched off WARM-UP and opened intake valve preserved (Zeta 1,5)**
- + The combustion air temperature is increased by approx. 20-25° C
- + Clean combustion, cleaner disc, cleaner tube
- + Complete fresh air system and heating in one
- + Easy installation / CE-tested

PRODUCT PLUS

