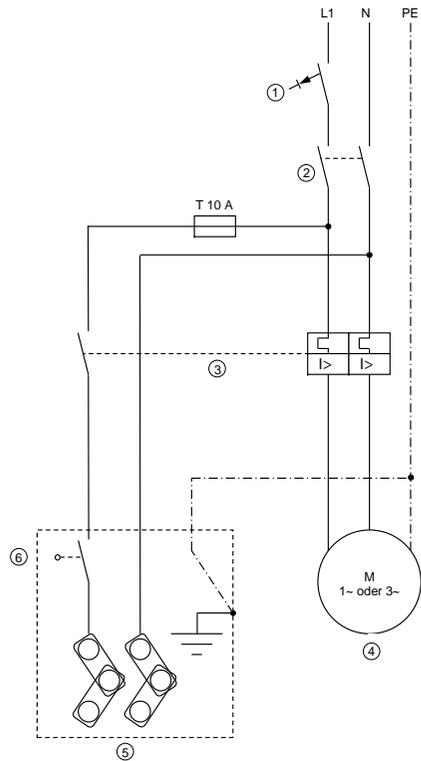




**Caution!** Risk of fire if installation is not carried out correctly and failure of the interlocking, since the GENO®-EWT-L blower air preheater can reach a housing temperature of max. 90 °C under extreme circumstances. For wall mounting on an inflammable building material, fit a heat-resistant plastic plate between the GENO®-EWT-L blower air preheater and the wall.

The mains cable must be connected to a ground fault circuit interrupter (30 mA) and a slow-blow fuse 10 A.



- ① Ground fault circuit interrupter 30 mA
- ② Blower/heating On/Off, e.g. contactor
- ③ Motor protection with auxiliary contact
- ④ Blower motor (client)
- ⑤ GENO®-EWT-L blower air preheater 1.5
- ⑥ Integrated control thermostat Off / 30 - 90 °C

Fig. 5: Electrical connection (without additional control)

## 6 | Commissioning

Switch on blower and set the required setpoint temperature on the GENO®-EWT-L blower air preheater. Check interlocking between blower and GENO®-EWT-L blower air preheater.

## 7 | Inspection / maintenance

Check heating of the drawn-in outside air and interlocking between blower air preheater GENO®-EWT-L blower air preheater. Assess the overall installation situation and system condition.

## 8 | Accessories

Additional control for GENO®-EWT-L blower air preheater, alternating current power supply unit 230 V for higher-level activation of the GENO®-EWT-L blower air preheater up to max. 2.2 kW for blower unit (order no. 212 190 and order no. 212 259). Order no. 212 254

Blower unit for jacuzzis with infinitely variable control of alternating current motor, motor rating 0.9 kW, incl. E5 TD-Vario switchbox.

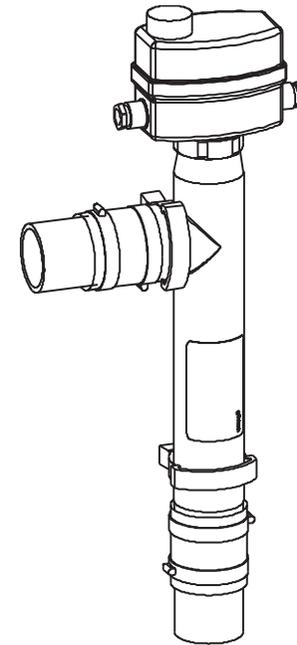
Order no. 212 190

Two-motor blower unit on pallet 450 x 450 mm, preassembled incl. E5 TD-Vario switchbox for private Jacuzzis with treatment.

Order no. 212 259

grünbeck

## Operation manual Blower air preheater GENO®-EWT-L 1.5



Version: March 2012  
Order no. 006 208 499-inter

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in accordance with DIN EN ISO 9001,  
DIN EN ISO 14001 and SCC

## General information

Our systems must be installed by an authorised sanitary/heating and electrical company. Check the components for transport damage. The GENO®-EWT-L blower air preheater must be protected against frost. Do not install PVC lines in the immediate vicinity of significant heat sources.

### 1 | Intended use

The GENO®-EWT-L blower air preheater is used for electrical heating of the drawn-in outside air in private or public swimming pools, Jacuzzis, etc., and is only allowed to be operated when the blower is running.

### 2 | Technical specifications

Blower air preheater		GENO®-EWT-L 1.5
<b>Connection data</b>		
Nominal connection diameter	[DN]	50 (2" female thread)
Protection/protection class		IPX4 / I
Power supply	[V/Hz]	230 / 50
Cable cross section	[mm²]	1.5
Fuse protection (slow-blow)	[A]	10
<b>Performance data</b>		
G Control thermostat	[°C]	30 - 90
Heat output	[kW]	1.5
<b>Dimensions and weights</b>		
A Connection height	[mm]	382
B Total housing width	[mm]	260
C Connection width	[mm]	171
D Housing width	[mm]	75
E Total height	[mm]	602
F Connection height	[mm]	505
H Distance to wall	[mm]	47
<b>Ambient data</b>		
Stainless steel housing		1.4404
Ambient temperature	[°C]	40
<b>Order no.</b>		<b>208 495</b>

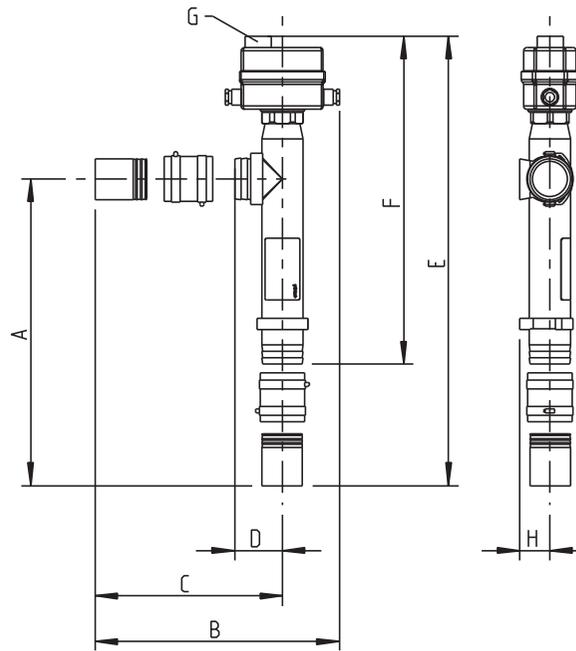


Fig. 1: Installation and dimensional drawing EWT-L blower air preheater

### 3 | Installation requirements

Please observe local installation directives, general guidelines and technical specifications. The installation location should be easily accessible, must not be prone to fire or at risk of flooding. Establish the connection with exposure to stress.

### 4 | Scope of supply

GENO®-EWT-L blower air preheater made of stainless steel incl. control thermostat, flexible hose connections, with PVC nipples, wall fastening materials and operation manual.

### 5 | Installation

Install flexible hose connections on the GENO®-EWT-L blower air preheater. Installation is made in the full flow between the pool and blower. The installation should be > 0.3 m (A) above the water surface (B), and is allowed to be horizontal or vertical (Fig. 2 and Fig.3).

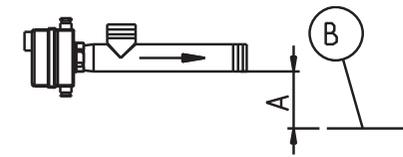


Fig. 2: Horizontal installation (above pool level)

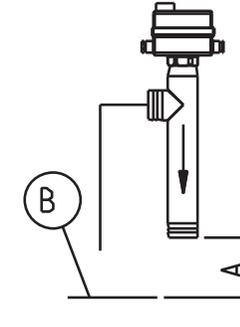


Fig. 3: Vertical installation (above pool level)

If installed below the water surface (B), a pipe loop approx. 1 m (A) above the water surface is required (Fig. 4).

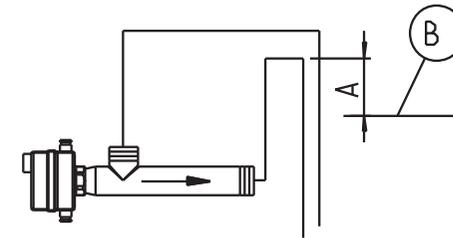


Fig. 4: Horizontal installation (below pool level)



**Note:** Pay attention to the flow direction, no shut-off valves should be installed between the GENO®-EWT-L blower air preheater, client's blower and swimming pool.



**Caution!** Measures must be taken in the control technology to ensure that the GENO®-EWT-L blower air preheater will always be switched off when the blower is at a standstill.