



FLEXIHEAT UK LTD
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DESTRATIFICATORS LEO D

Destratificators **LEO D**

Air flow [m³/h]	2,500–7,200
Weight [kg]	8.9–19.5
Colour	Grey
Casing	EPP expanded polypropylene



APPLICATION

Destratificators are dedicated to be used inside buildings. They work together with other devices in the heating system. They increase the efficiency of heating of large and high spaces for example production facilities, warehouses, supermarkets and trade fair centers.

AVAILABLE TYPES OF UNITS:

- **LEO D BMS**
version with a DRV-D module with a temperature sensor, integration with FLOWAIR SYSTEM
- **LEO D**
without additional regulation
- **LEO DT**
with mounted thermostat

TECHNICAL DATA

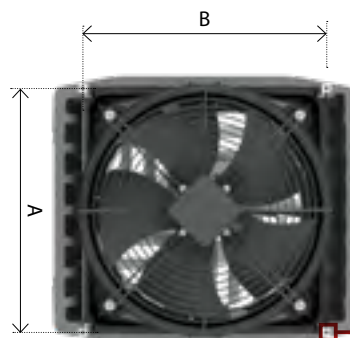
Destratificators **LEO D**

	LEO D S			LEO D L			LEO D XL		
Step	III	II	I	III	II	I	III	II	
Air volume [m³/h]	2500	2200	1900	5200	4200	2800	7200	6100	3900
Power supply [V/Hz]	230/50			230/50			230/50		
Max. current consumption [A]	0.5	0.4	0.3	1.3	1.0	0.6	2.0	1.5	1.3
Max. power consumption [W]	110	80	70	280	200	120	450	350	260
IP / Insulation class	54/F			54/F			54/F		
Max. acoustic pressure level [dB(A)] ⁽¹⁾	56.9	55.2	49.4	65.7	58.4	44.9	72.8	66.9	53.7
Max. acoustic power level [dB(A)] ⁽²⁾	72.0	70.3	64.9	80.8	73.5	60.4	87.9	82.0	69.2
Max. operating temperature [°C]	60			60			60		
Position of operation	horizontal			horizontal			horizontal		
Weight of unit [kg]	8.9			13.9			19.5		

⁽¹⁾ Acoustic pressure level at the distance of 5 m from the unit, in the room of medium capability of sound absorption and 1500 m³ of cubature

⁽²⁾ According to PN-EN ISO3744

INSTALLATION

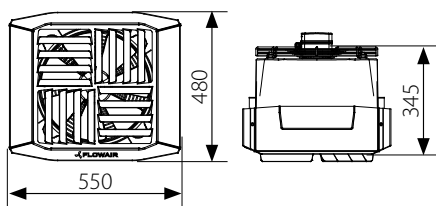


	LEO D S	LEO D L	LEO D XL
A	415	515	585
B	415	515	665

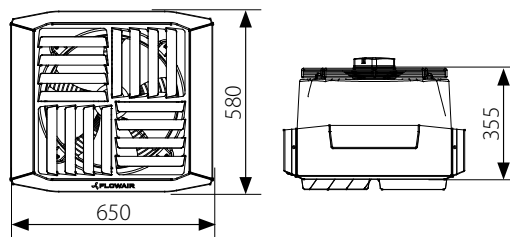


The destratificator is equipped with corner holders, which make the installation and leveling of the unit under the ceiling much easier. In case of installation under the ceiling which transmit vibrations it is recommended to use vibro-isolators.

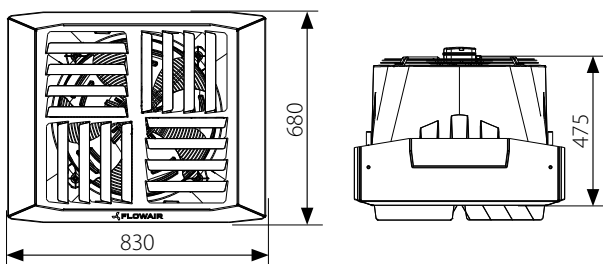
DIMENSIONS



LEO D S BMS | LEO DT S | LEO D S



LEO D L BMS | LEO DT L | LEO D L



LEO D XL BMS | LEO DT XL | LEO D XL

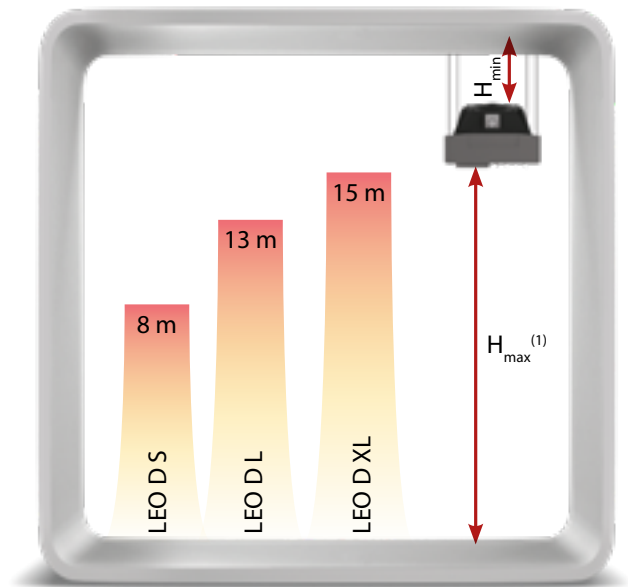
FUNCTION OF DESTRATIFICATOR

Destratificator prevents accumulation of the warm air in the upper zones of the room. The fan redirects the warm air back into the zone occupied by the people. It limits heat losses and heat transfer through the roof. This results in faster heating of a building.



CHOOSE AN OPTIMAL DESTRATIFICATOR

LEO D destratificator assists the proper operation of heating system counteracting the accumulation of warm air in the upper zones of the room. 3 sizes of destratificators make it possible to choose the perfect fit for the different heights of the building. A wide range of air flow efficiency 1900-7200 m³/h ensures high user comfort in rooms with a low and high level of ceiling.



⁽¹⁾ When device is mounted under the ceiling please note the proper nonisothermal air stream range

AUTOMATIC DESTRATIFICATION SYSTEM

AUTOMATIC DESTRATIFICATION:

It offers energy savings thanks to the redirection of warm air from the upper zone to the lower zone of the room. The destratificators switch on when the temperature drops in the room and there is an excess of warm air under the ceiling. If this heat is not sufficient the LEO heaters switch on.

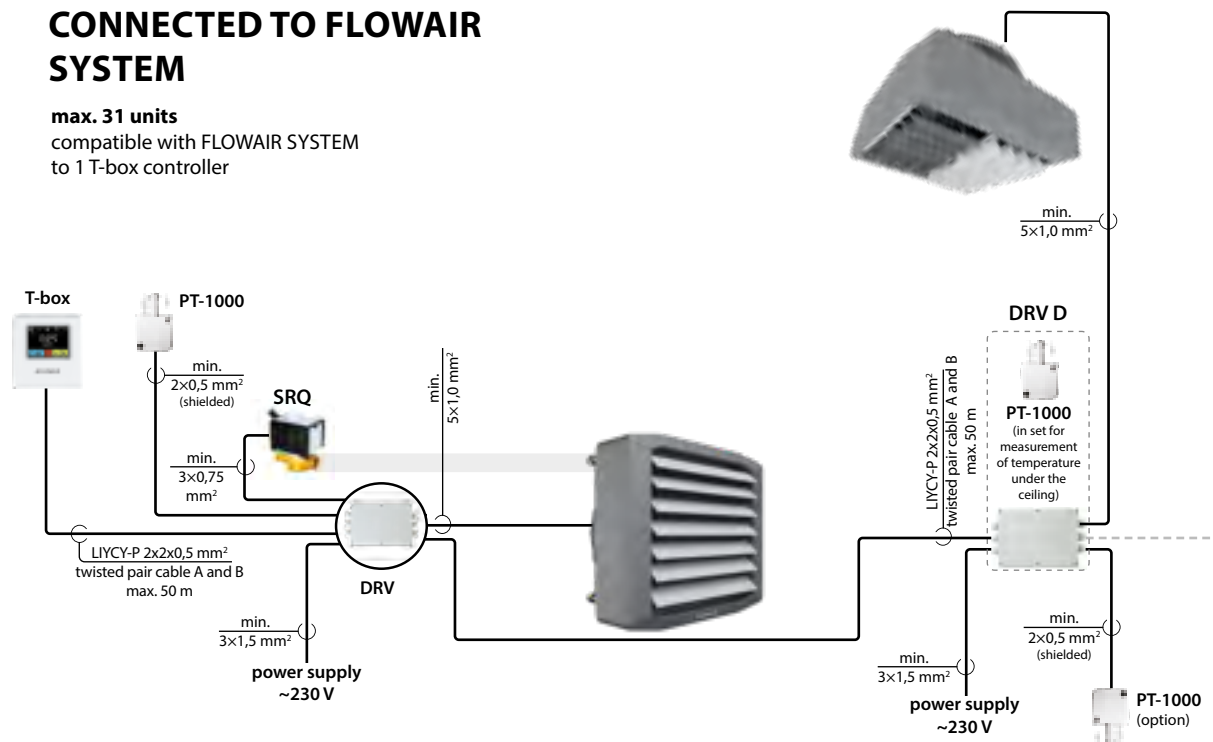
- **Step 1** – activation of destratificators to push down the warm air from the area under the ceiling.
- **Step 2** – activation of fan heaters in order to reach the temp level set by the user.



CONNECTION DIAGRAMS

SYNERGY OF DEVICES WHEN CONNECTED TO FLOWAIR SYSTEM

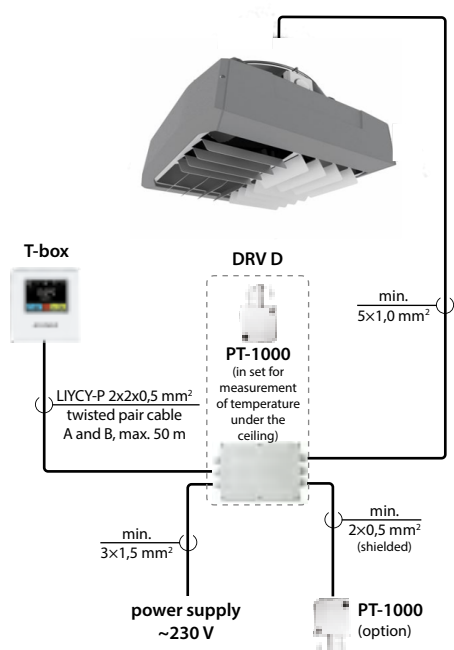
max. 31 units
compatible with FLOWAIR SYSTEM
to 1 T-box controller



ELEMENTS:

- **T-box**
intelligent controller
with touch screen
- **PT-1000**
wall-mounted
temperature sensor
- **SRQ**
valve with actuator

LEO D BMS REGULATION WITH T-box CONTROLLER



LEO DT ON/OFF MODE

