

## PROFIMAX

Floor diffuser for offices and homes



### Key figures

<b>Connection:</b>	80 x 700 (mm)
<b>Airflow:</b>	5 - 22 l/s
<b>Pressure:</b>	10 - 100 Pa
<b>Sound level:</b>	Always below 28 dB(A)
<b>Coating:</b>	Standard white RAL 9003, can also be powder coated in any color as option

PROFIMAX is found in MagiCADs database.

PROFIMAX is a discreet and quiet supply air diffuser for mounting in moulded duct systems in the floor. The unit can also be placed hidden in the cladding and furniture to blend in with different types of rooms and seating arrangements.

PROFIMAX has a sturdy construction of galvanized steel, which has a white powder coating as standard (RAL 9003).

PROFIMAX is suitable for buildings where you have embedded ducts in the floor.

### Function

PROFIMAX can be used both for heating and cooling by using ventilation (supply air).

PROFIMAX gives the air authority over the heat sources and leads the supply air draft-free into the room. The heat exchange is concentrated to the heat sources, where the supply air replaces the upward convection.

The "used" and warm air leave the room at the ceiling through the exhaust, without mixing the air in the occupied zone.

The InventiAir technology results in an air exchange efficiency of 60-80%. Compared to a traditional mixing system of 30-40%. This means that a much smaller amount of energy needs to be supplied (cooling / heating).

PROFIMAX can be adapted to local conditions for installation and performance.

### Construction

PROFIMAX has a sturdy construction of galvanized steel for mounting on the floor connection of embedded ducts.



## Mounting

PROFIMAX is installed on existing floor system or system of joists. The unit can also be mounted hidden in the lining or furniture.

## Adjustments

PROFIMAX is delivered with maximum flow. Readjustments of flow or pressure can be made made later, easily, and without tools. The unit can also be supplied factory adjusted for proper airflow and pressure.

## Material

Profimax is manufactured as standard in galvanized steel Z275 in corrosivity category C2 and powder coated in white as standard (RAL 9003).

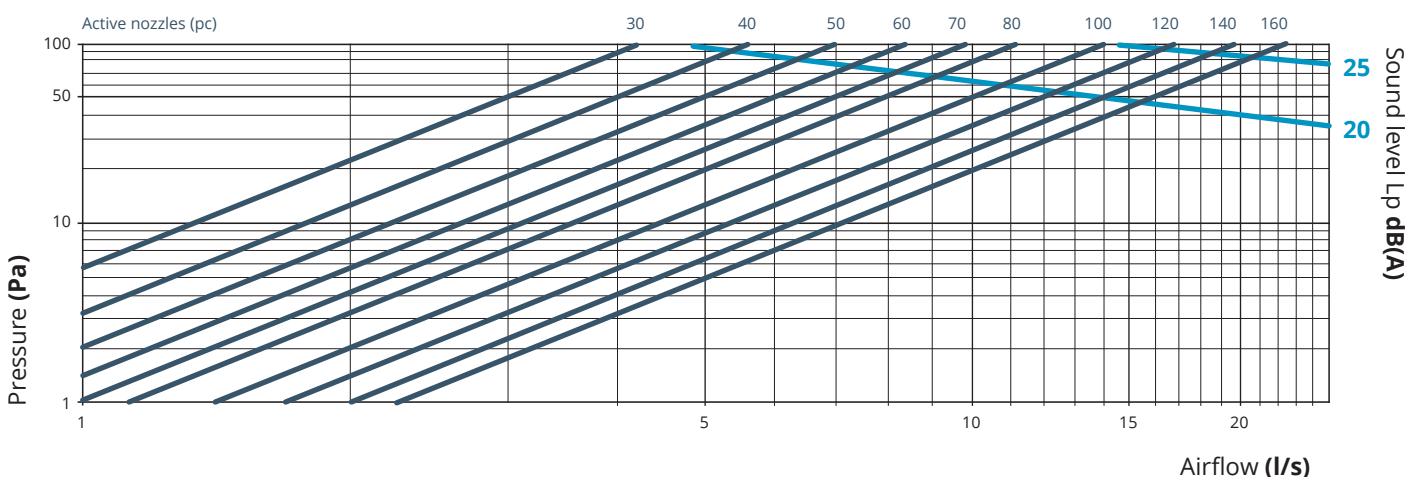
Correction of sound pressure level (Lp) to the sound power level (Lw) in each octave band\*

63	125	250	500	1000	2000	4000	8000	Hz
-14	-10	-8	-5	-3	-7	-10	-10	

Natural attenuation in octave bands\*

63	125	250	500	1000	2000	4000	8000	Hz
21	19	15	8	8	9	3	1	

## Capacity- & adjustment chart (k-factor per nozzle is 0,014)



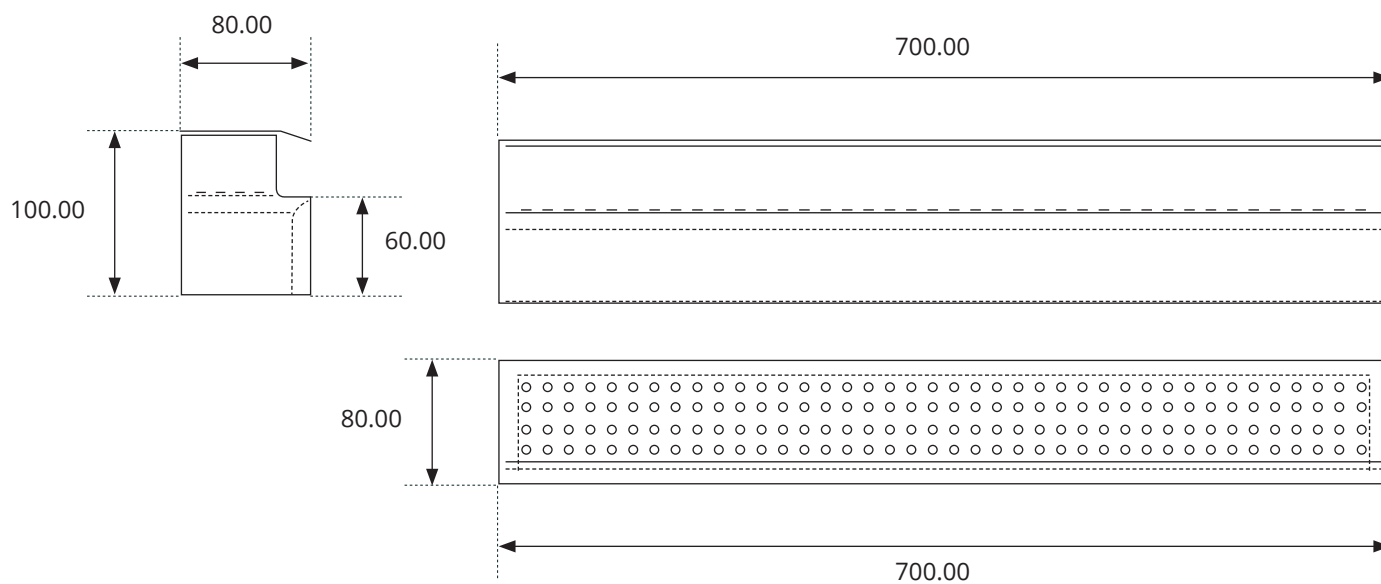
## Care/cleaning

PROFIMAX is cleaned easily with a damp cloth. All components are accessible without disassembly

## Dimensioning

When using InventiAir technology a considerably smaller amount of energy supplied to the room is needed compared to a traditional mixing system. Contact your InventiAir contact for help with dimensioning.

## Measure



Other connections and dimensions made to order.

## Order number (example)

Prduct name	Colour	Dimension (⊗)	Airflow (l/s)	Pressure (Pa)
○ PROFIMAX 15-50	vit	700x90x100	15	50