

For mounting recessed in floor and under seat.

- **Easy fitted**
- **Stable and rigid front**
- **Can be to ducting connected**
- **Short adjacent zone**
- **Maintenance free**



### Function

**IAF/IRF** panels can be used in all types of systems where panels are recessed in floors. It provides a displacement system giving improved air quality and lower temperatures in the occupied zone than with traditional systems.

The internal distribution plate provides a constant air distribution over the entire face area without risk of draught. As no filter or foam media is used in manufacture the panel is maintenance free with no risk of clogging.

The panel is mounted flat recessed in the floor with no obstructions. The panel is mounted in a pressurised floor or is duct connected.

### Design

**IAF** rectangular design.

**IAF 0606** is reinforced and can stand a point load of 150 kg.

**IRF** round design

The plenum box is manufactured from galvanised sheet steel.

Front thickness 2 or 3 mm.

Standard finish is black (RAL 9011).

### Accessories

Duct connection

### Applications

**IAF 0606** is used in raised floors with 600x600 floor plates in offices and computer halls. The height of the panel is adapted to the floor plate thickness.

**IAF 0401** and **IRF** are used principally under seats in theatres, cinemas, auditorium and also in raised floors.

All are suitable for VAV-systems and still operate as displacement units even on minimum air flows.

### Specials

Other RAL colours.

Alternative sizes.

Stainless steel face.

Reinforced front.

Alternative air distribution.

The REPUS<sup>®</sup> design system has been used to build special units for many years and hundreds of successful installations have been carried out. We have developed the method to quickly and accurately calculate all necessary data for specials.

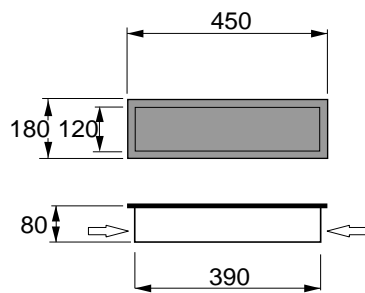
Please contact us for more information.

## Technical data

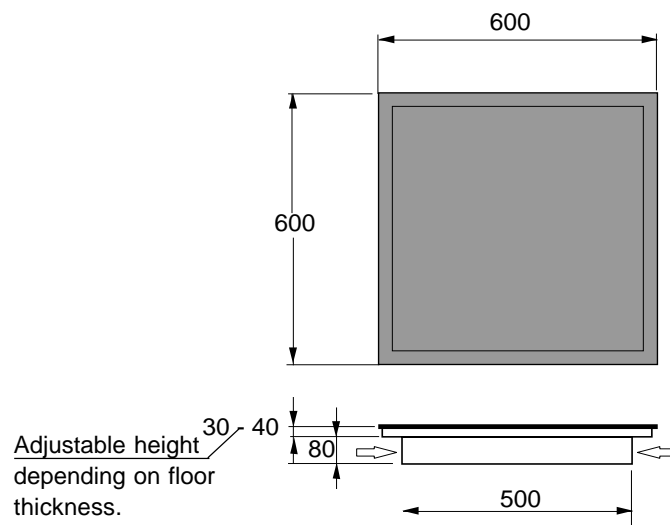
Pressure drop, sound data and adjacent zone are given in the diagrams. Sound levels are shown at 10 m<sup>2</sup> Sabine.

## Dimensions

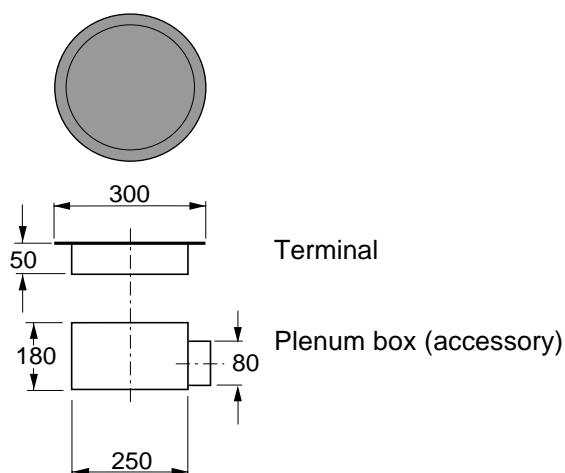
### IAF0401



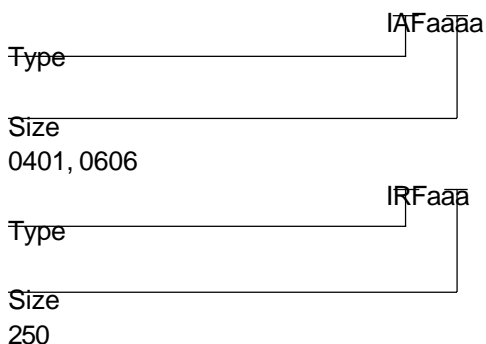
### IAF0606



### IRF250



## Product code



## Accessories

Duct connetion.

## Descriptive text

REPUS<sup>®</sup>-supply air panel.

Type.....

The panel must be equipped with a distribution plate for internal air distribution.

Material: Galvanised sheet steel

Paint: Black (RAL 9011)

Accessories:.....

Floor plate thickness.....mm (only IAF)

## Maintenance

The panel is designed for ease of maintenance. The front and plenum box are easy to dismantle if cleaning is necessary. To clean the panel use a damp cloth and a mild detergent.

## Under Seat Installation

### IAF

Designed for mounting in the seat upstand the unit includes adjustable air directors to provide an upward air flow.

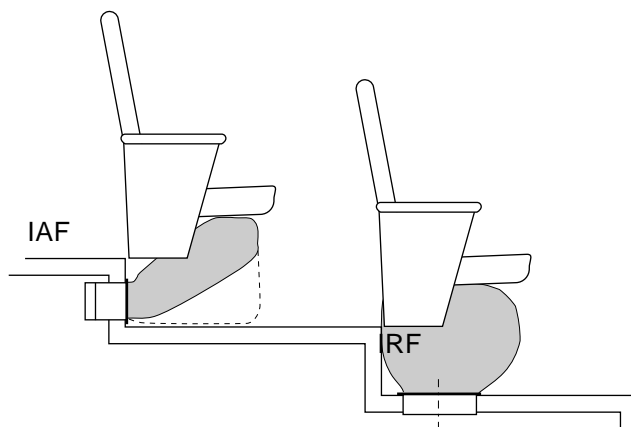
If air directors are not included then the air pattern will change to that shown by the dotted line.

### IRF

When floor mounted this unit can provide a non directional air pattern or can include air directors as described above.

### Specials

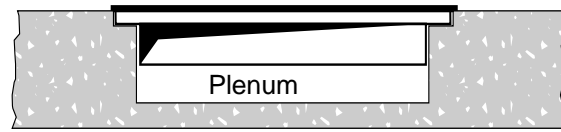
Both types of panel can be delivered with or without a plenum box and larger units can be supplied for up to 3 seats.



## Intallation

### IAF 0401

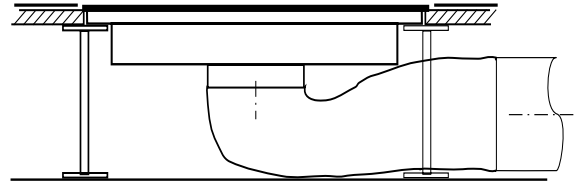
An opening (395 x 125 mm) is cut into the floor and the plenum box fits into this. The floor grille is then screwed down with screws provided by REPUS<sup>®</sup>.



### IAF 0606

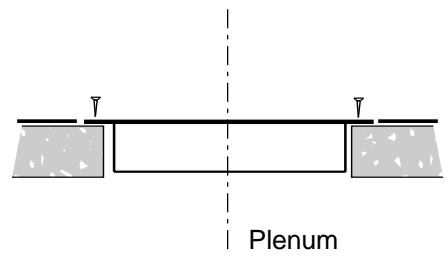
For raised floors a single floor plate is replaced by the REPUS<sup>®</sup> floor tile unit.

Using duct connection

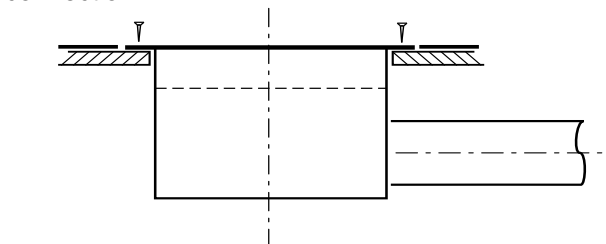


### IRF 250

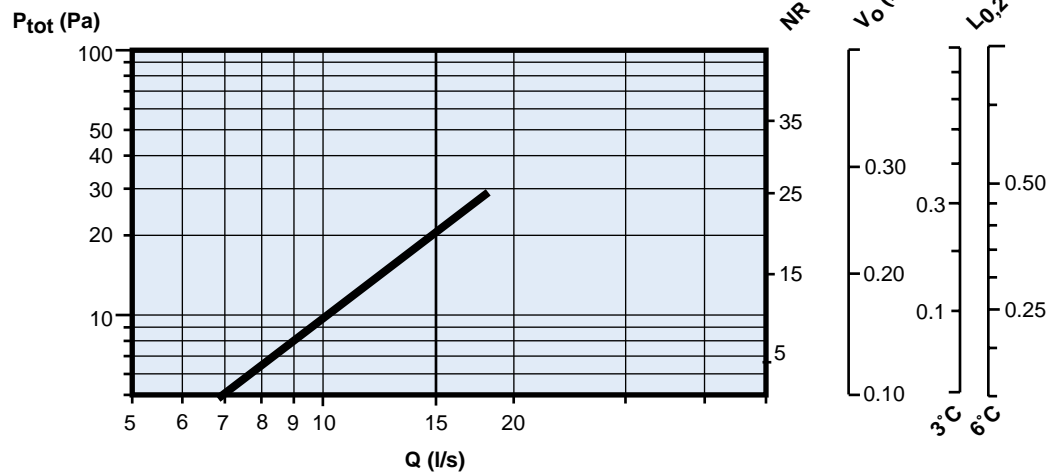
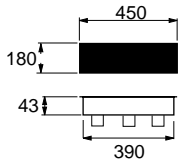
A circular hole (255 mm diam.) is cut into the floor tile. The nozzle plate is fitted and the floor grille is then screwed down. (Screws supplied with panel.)



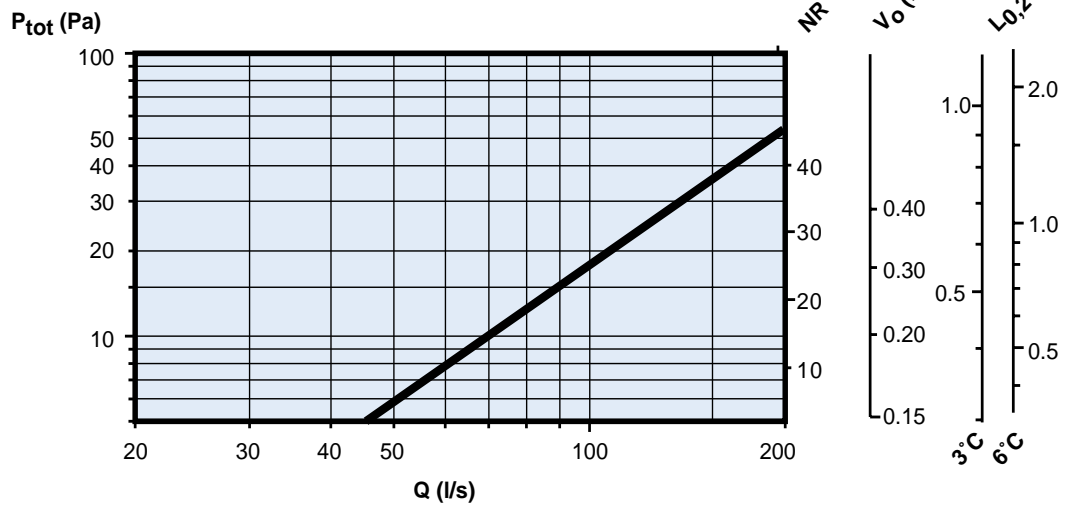
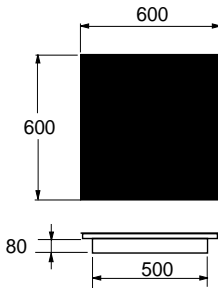
Using duct connection



### IAF 0401B



### IAF 0606



### IRF 250

