AEROGRAMMI
DESIGN AND MANUFACTURE OF GRILLES AND SPECIAL AIR CONDITIONING COMPONENTS

CERT
Quality Assurance ISO 9001

CEILING ROUND DIFFUSER

CF

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CF

Photo-1: CF

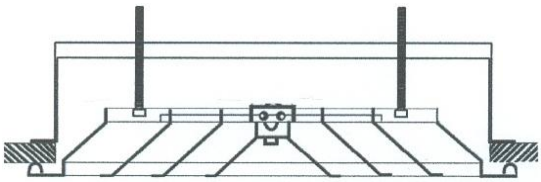


Fig. 1: CF

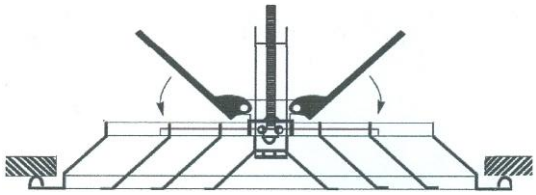


Fig. 2: CF-D

Fig. 3: CF-A

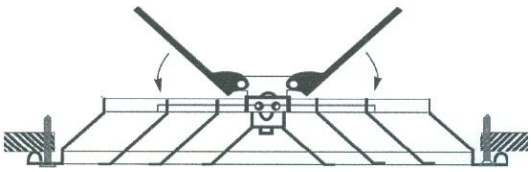


Fig. 4: CF-A-D

Ceiling round diffuser (anemostat) with concentric fixed blades for supply or return air. The air comes out to all directions, parallel to the ceiling and uniform (360^{o}). The shape of the air jet can't change. For heating and cooling applications.

In the case of heating it is suggested the installation of the diffuser in low height. Also the return air grilles must be installed close to the floor. In the case of cooling or return air we can install the diffuser in any height.

The diffuser is manufactured by **anodized aluminium.** Also electrostatic paint in **RAL** color is possible. The damper (-D) is manufactured by plastic and in black color in order to be invisible from the front face. The bar «Π» is used for the secret fixing and is manufactured by aluminium.

The diffuser is manufactured in the following sizes: **150, 200, 250, 300** and **350** (neck dimension).

All the possible editions of the diffuser appear in the figures on the other side of the page (from Fig.-1 until Fig.-4). The descriptions of all the types are following:

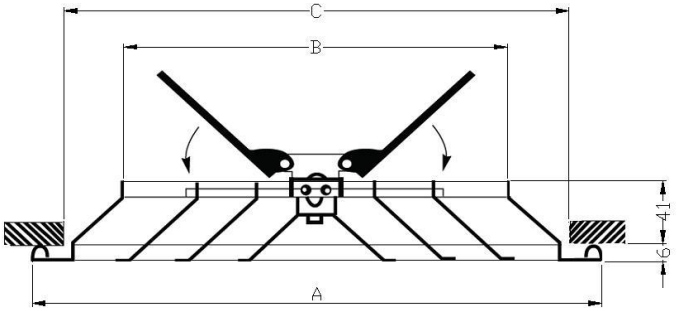
- **CF:** Fixing: secret, Damper: no, installation in plenum box.
- **CF-D:** Fixing: secret, Damper: yes, installation in plenum box.
- **CF-A:** Fixing: visible, Damper: no, installation in plenum box.
- **CF-A-D:** Fixing: visible, Damper: yes, installation in plenum box.

(**D:** damper, **A:** fixing with visible screws).

For the order of the CF diffuser it is necessary to mention the type, the size and the surface finish (anodized aluminium or RAL color code).

E. g.: CF-D-250-ANODIZED or
CF-A-D-300-RAL 7013

DIMENSIONS

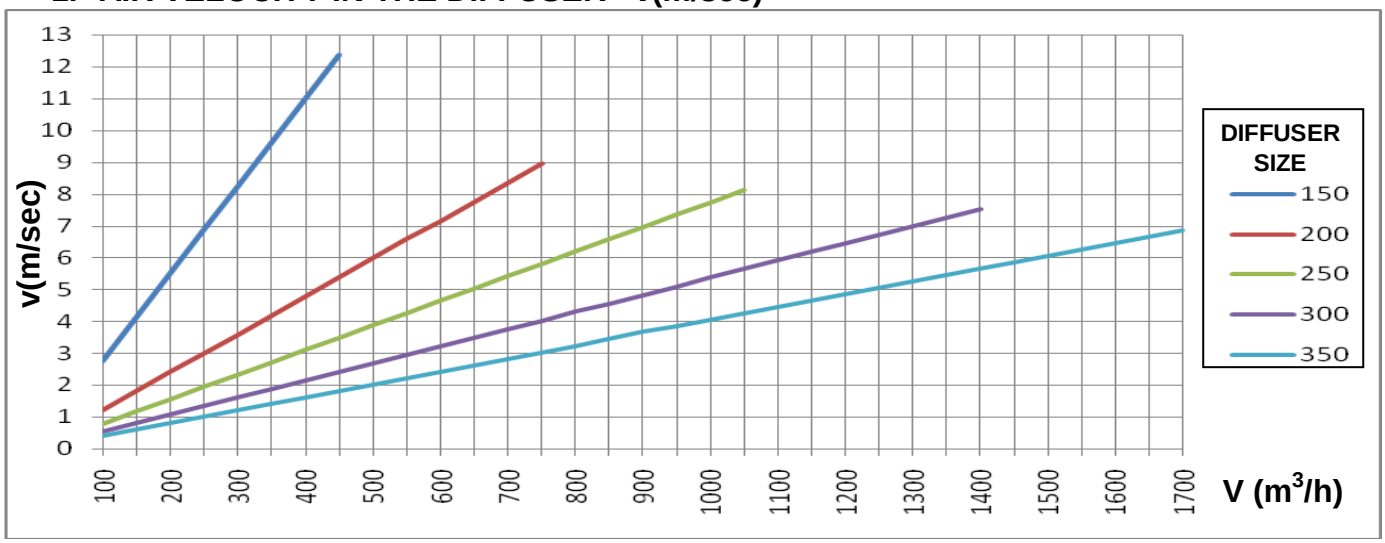


DIMENSIONS TABLE

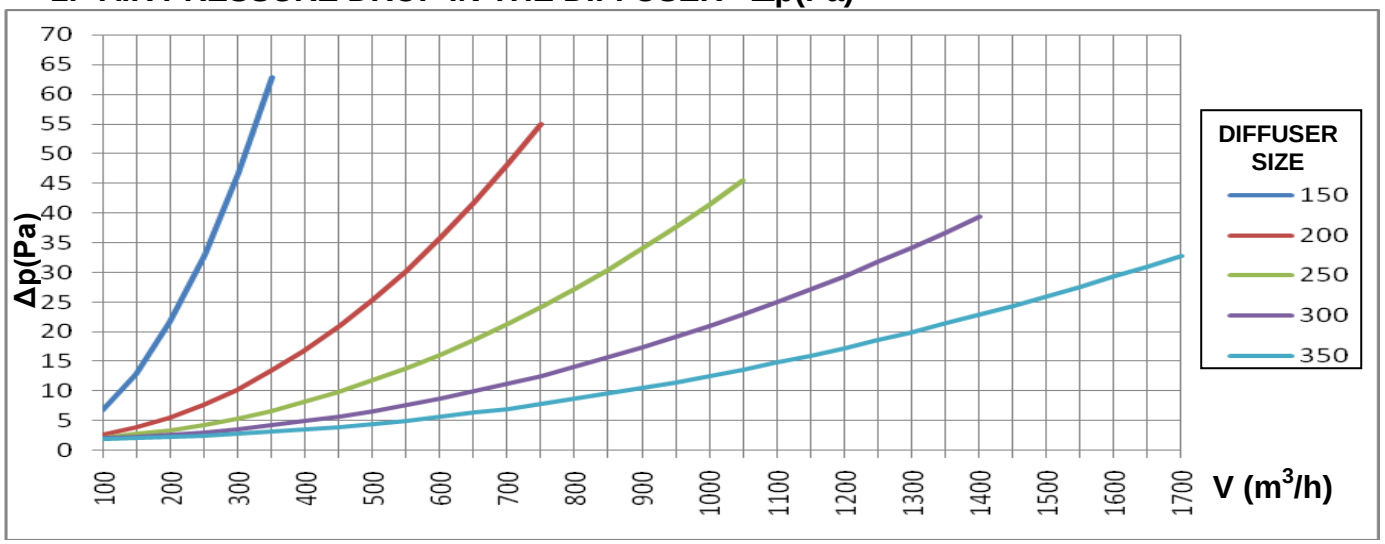
SIZE	A(mm)	B(mm)	C(mm)
150	257	149	225
200	307	199	275
250	357	249	325
300	407	299	375
350	457	349	425

PERFORMANCE DIAGRAMS

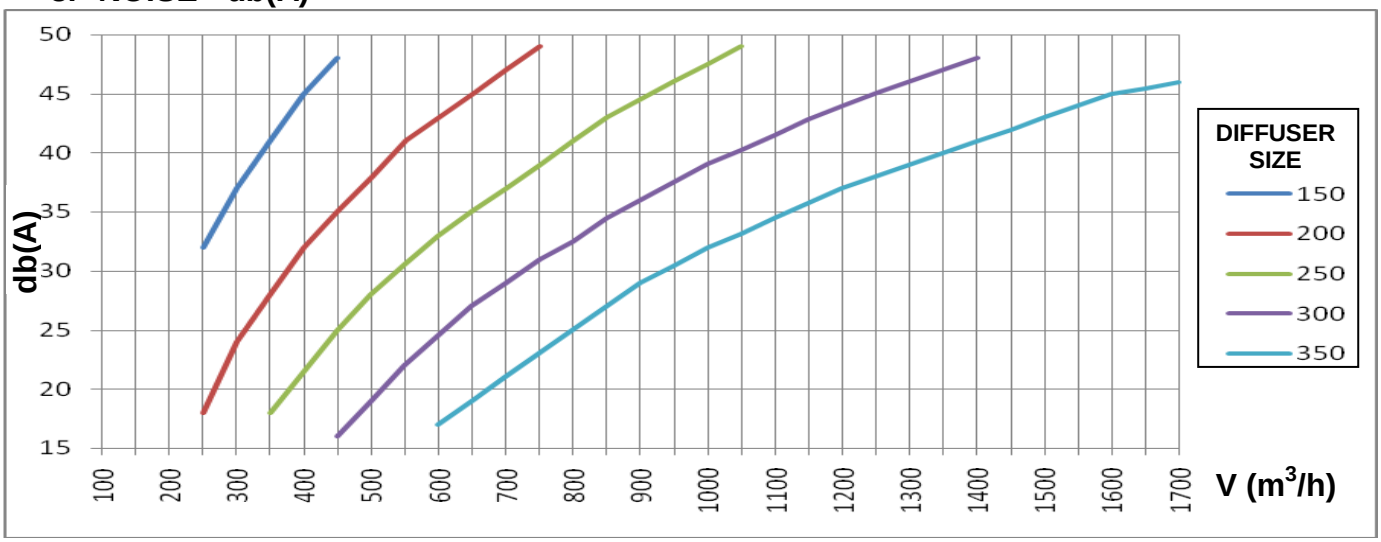
1. AIR VELOCITY IN THE DIFFUSER - v(m/sec)



2. AIR PRESSURE DROP IN THE DIFFUSER - Δp(Pa)



3. NOISE - db(A)



4. THROW FOR AIR VELOCITY v=0,25m/sec – $B_{v=0,25m/sec}$ (m), for isothermal air jet