

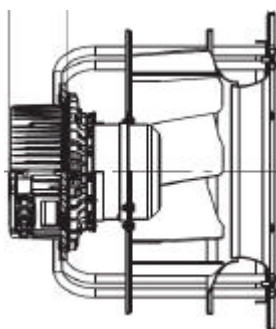
EC plug fans – handling air with high efficiency

EC technology in air movement applications is now common place. Electronically controlling the commutation of high efficiency DC motors and integrating the supply electronics has proven to deliver cost, power and noise control savings in many applications.

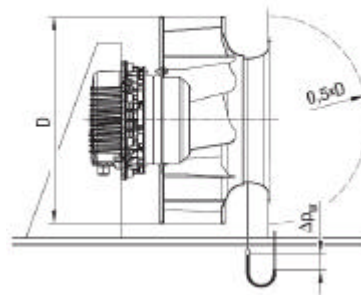


New EC technology with revolutionary impellers have been developed for air handling up to approximately 1400Pa static pressure and 3100 l/s air flows. As shown in the drawings new innovation has been developed in the following areas:

- Extended rotational diffuser improves efficiency and noise
- Motor positioning enables clean air flow through the impeller.
- Simple mounting assemblies allowing constant volume and constant pressure controls.



Air flow determination:

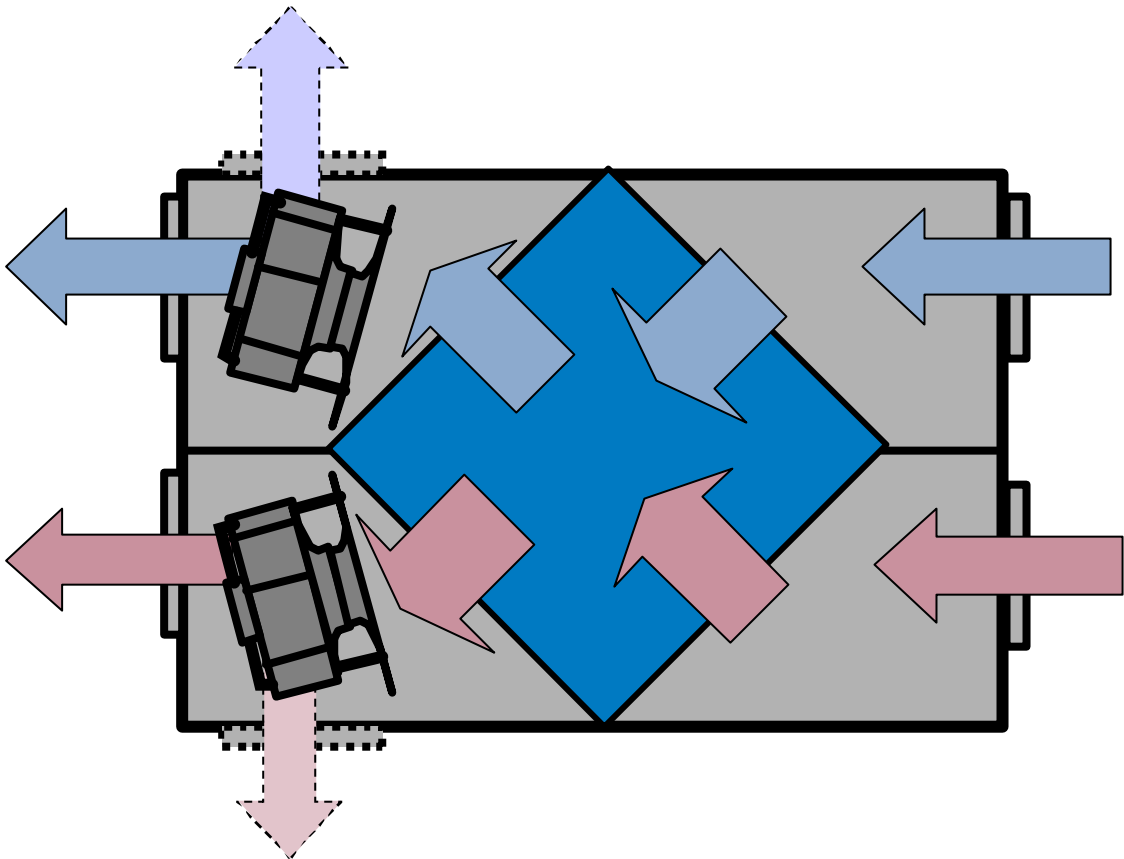


Application areas include:

- Fan coils
- Air handling units
- Roof top units

- Heat recovery

An example of heat recovery is shown here. As can be seen the fan can be used with simple mounting which is compact in its design and can be utilized in many orientations. This in turn allows a range of discharge position but all with low air velocities.



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