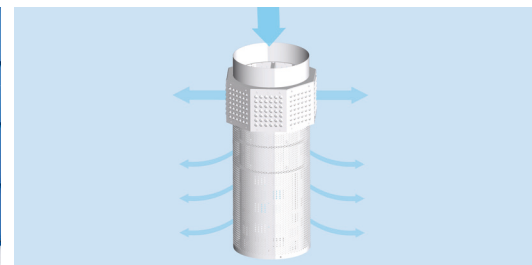
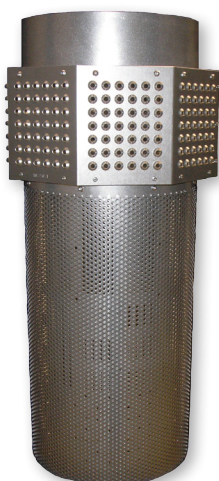


Smart ventilation, heating and cooling of industrial buildings

Industrial air diffuser ILQsf System SmartFlow



smart
flow
intelligent
industry



NEW

Permits energy-saving on-demand ventilation of factory buildings and production halls.

- **Energy-saving thanks to smart demand-controlled ventilation:** variable air flow rates with minimal working pressure yet high degree of comfort
- **Consistently high ventilation effectivity** regardless of the flow rate and temperature of the air
- **Flexible:** optionally with or without mechanically self-operated, motor-powered or manual adjustment for heating and cooling applications.
- **Effective removal** of thermal and material loads thanks to layered ventilation
- **High degree of thermal comfort at workstations** thanks to draught-free air supply, even at a minimal distance from the diffuser.

Air Diffusers Industrial Air Diffuser ILQsf/System SmartFlow

Infinitely variable air diffuser for on-demand ventilation, heating and cooling with high and variable material loads and thermal loads in large buildings, e.g. production facilities, sports halls, lobbies, trade fair buildings and atriums.

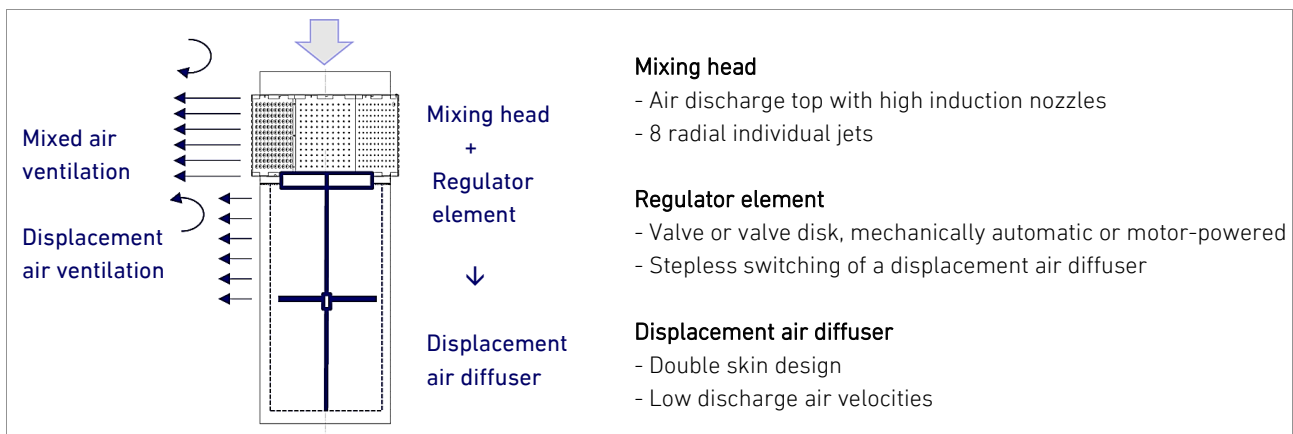
Installation close to the floor (walls, pillars, freely inside the room) up to a height of 3 m (bottom edge of diffuser).

Product data

	ILQsf315	ILQsf500	ILQsf630
Connection Ø	250, 315	400, 500	630
Diffuser height [mm]	755	1200	1370
Air flow rate with $\Delta p = 30 \text{ Pa}$ [m ³ /h]	290...1310	630...3400	–
Sound power with $\Delta p = 30 \text{ Pa}$ [dB(A)]	40...63	45...64	–
Air flow rate with $\Delta p = 50 \text{ Pa}$ [m ³ /h]	390...1700	830...4370	2150...7200
Sound power with $\Delta p = 50 \text{ Pa}$ [dB(A)]	48...66	50...69	57...67

Method of operation

The ILQsf industrial air diffuser combines the benefits of mixed and displacement air ventilation. In comparison to a pure displacement air diffuser the result is a uniform penetration depth and layer size largely independent of the current flow rate.



System SmartFlow

