



Long Throw Comfort Diffuser
Clima Comfort



At Gerhman we are driven by a strong desire to continuously generate improvements. We do that by developing products and systems that are easy to use and energy efficient, together with industry-leading knowledge, support, logistics and efficient availability.



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Clima Comfort is a versatile comfort diffuser designed for **cooling and heating of large spaces**. In cooling mode, air is supplied horizontally to prevent draughts, while in heating mode the diffuser delivers a **high-penetration vertical air jet** for fast and efficient heating.

With **manual or electric adjustment**, Clima Comfort ensures **optimal air distribution** in all operating conditions. Its precisely designed perimeter and bottom openings maintain **constant pressure loss and low noise levels**, providing reliable performance and high indoor comfort.

Typical Applications

- Large halls and atriums
- Offices and open-plan workspaces
- Shopping centres and retail areas
- Hotels, lobbies and public spaces
- Exhibition halls and conference centres
- Airports and transportation terminals
- Industrial and commercial buildings requiring high comfort air distribution

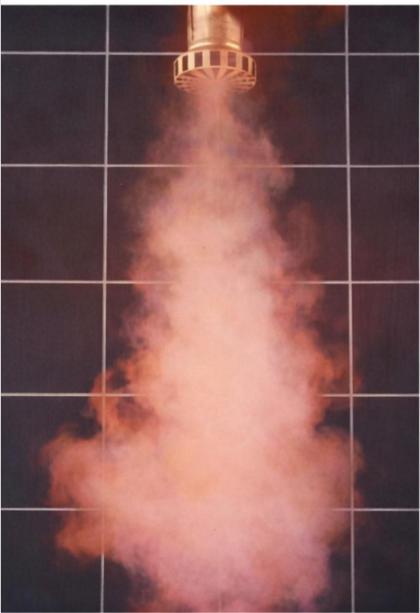
Key Features & Specifications

- Designed for **high rooms and large spaces** with **adjustable air control blades**
- Airflow pattern adjustable **manually or via electric actuator**
- Supports **horizontal or vertical duct connection**
- Suitable for **supply air temperature differences from -12 K to +15 K**
- Optimised for **room heights above 3.8 m**
- Compatible with **variable and constant air volume systems**

Quick selection

Size	300	400	500	600	800
Vmin (m3/h)	170	280	605	830	1680
Vmax (m3/h)	810	1380	2330	3080	5450
V _{at 40 dB(A)} (m3/h)	450	640	1075	1440	2590

Performance



Heating mode



Cooling mode



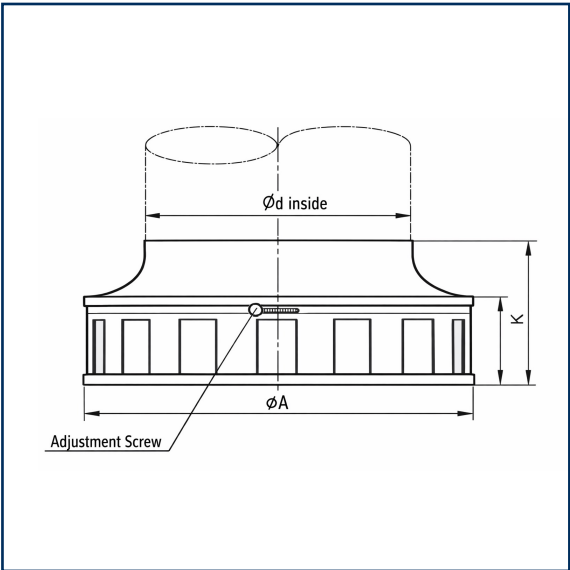
Intermediate mode

Smoke Test – Clima Comfort 600

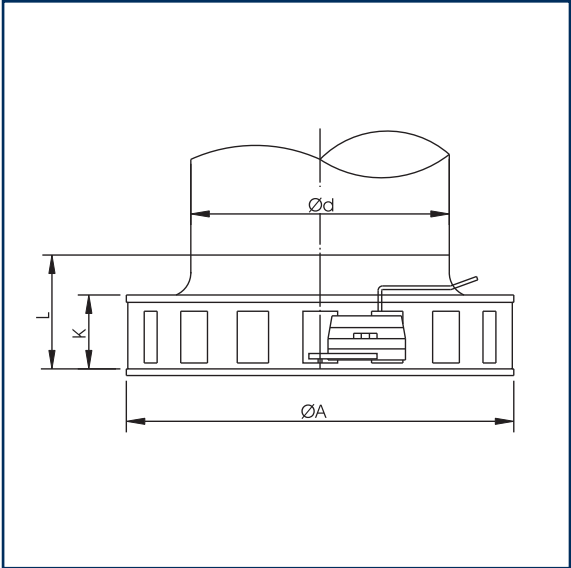
Smoke test images of the Clima Comfort 600 diffuser at an airflow rate of 2000 m³/h, conducted under heating and cooling conditions.

The tests were performed with $\Delta T = +15\text{ K}$ in heating mode and $\Delta T = -10\text{ K}$ in cooling mode, demonstrating airflow behaviour, throw characteristics and comfort performance in different operating modes.

Sizes



Manuel Control.



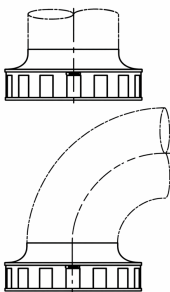
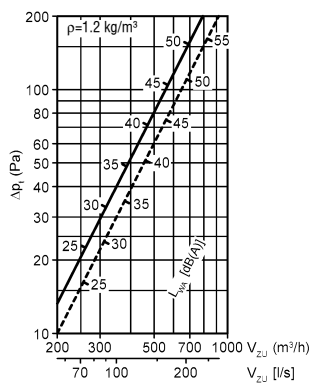
Electric Actuator Control

Nominal Size	ØA (mm)	Ød (mm)	L (mm)	K (mm)
300	302	180	144	79
400	402	250	178	98
500	502	315	200	120
600	602	400	221	136
800	802	500	310	185

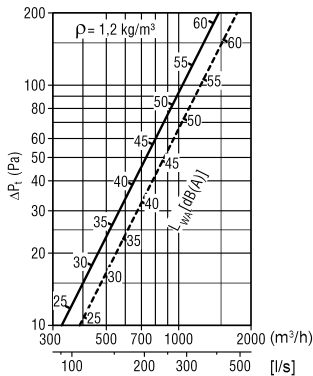
Technical Data

Pressure loss and noise level

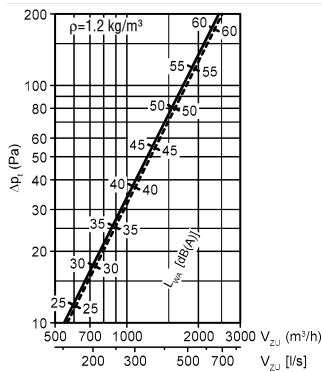
Clima Comfort 300-...



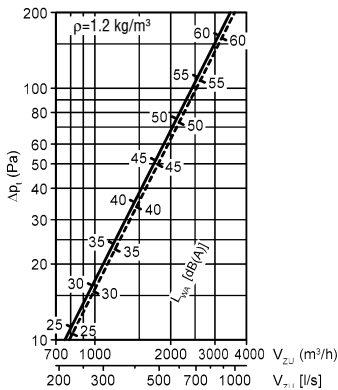
Clima Comfort 400-...



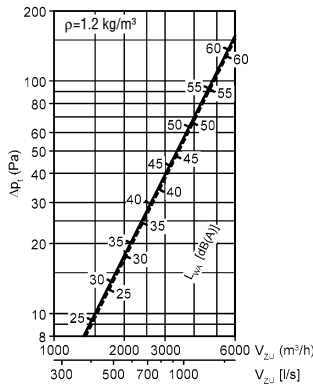
Clima Comfort 500-...



Clima Comfort 600-...



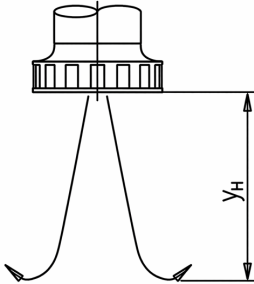
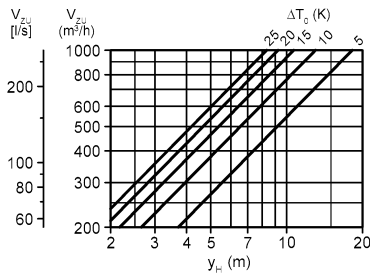
Clima Comfort 800-...



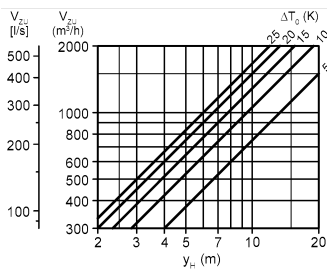
Technical Data

Maximum penetration In heating mode

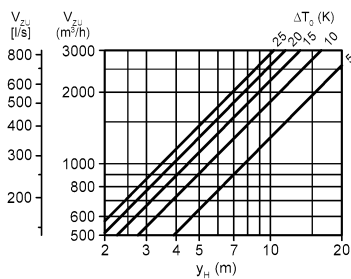
Clima Comfort 300-...



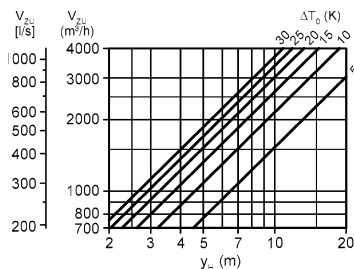
Clima Comfort 400-...



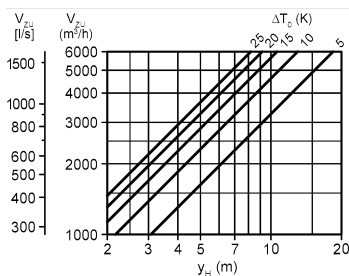
Clima Comfort 500-...



Clima Comfort 600-...



Clima Comfort 800-...





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info@gerhman.com



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