



AIR MANAGEMENT

OPTIVENT

OPTIVENT[®]

>> THE RIGHT SOLUTION FOR DEMAND CONTROLLED VENTILATION

KEY BENEFITS

- Real time air flow measurement for optimised air quality and energy efficiency
- Quick and easy selection, based only on duct dimension
- Time efficient installation and calibration, nothing more than a screwdriver is needed and the adjustment is exceptionally accurate
- Extremely wide air flow range
- Range covers duct sizes from 100 to 630 mm
- Easily connected to the building automation system via Modbus
- System optimization, integrated with IPSUM



OPTIVENT[®] – PRESSURE AND ROOM INDEPENDENT VAV

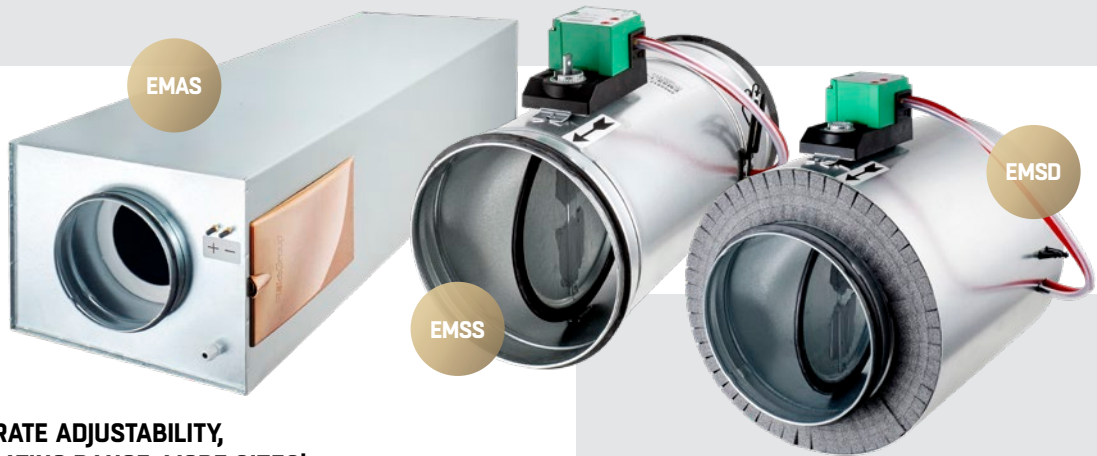
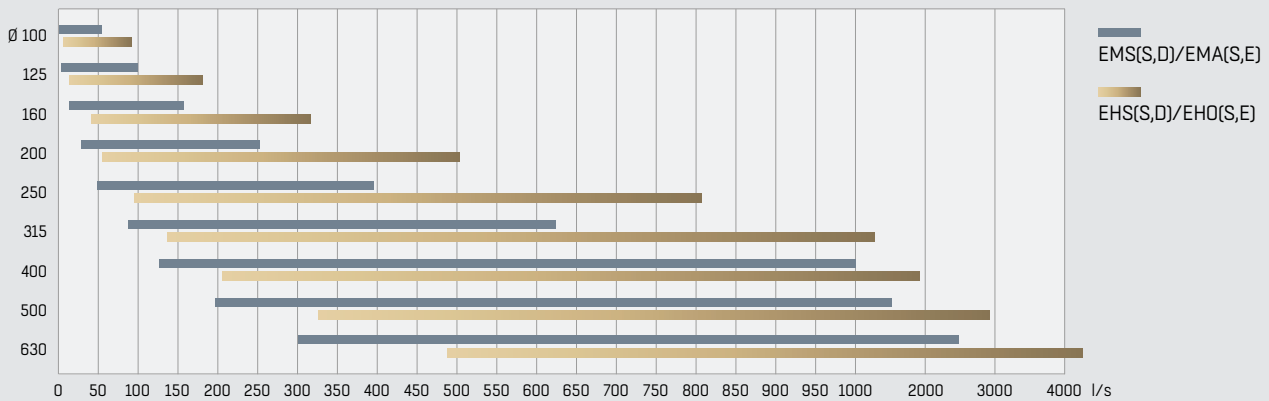
A comfortable indoor air climate is created by dynamically adapting the ventilation rate to the actual demand. With the Optivent[®] VAV and modern control technology, a high level of indoor air quality and energy efficiency is achieved.

The core of the Optivent[®] VAV system is the flow regulator with real time measurement which dynamically varies the air flow according to the actual requirements in the room. A cost and energy efficient system solution is achieved from Optivent[®] VAVs exceptional accuracy and the possibility to control the ventilation according to temperature as well as room occupancy and carbon dioxide levels.

Optivent[®] is the natural solution when you want to achieve the best possible indoor climate – using the least possible energy.

FläktGroup[®]

EXTREMELY WIDE AIRFLOW RANGE



MORE ACCURATE ADJUSTABILITY, WIDER OPERATING RANGE, MORE SIZES!

Thanks to the very accurate adjustability, the parameters for a good indoor climate can be adjusted more optimally than before. The Optivent® adjustment equipment measures the air flow over the flange.

The measurement is independent of pressure and very accurate also at slow duct speeds. Dynamic k-value is a new feature in FläktGroup's VAV devices. It provides better accuracy than before throughout the equipment's operating range.

SIMPLIFIED SELECTION AND MINIMISED TIME FOR INSTALLATION AND CALIBRATION

The Optivent® VAV design significantly simplifies the system design process. Now it is possible to select the correct Optivent® just based on the designed duct dimension. To make the installation as quick as possible Vmin and Vmax operating values are set on site after the installation. The adjustment is extremely easy, the commissioning engineer will see the air flow in real time on the display, a screwdriver is the only adjustment tool needed.

A Modbus compatible version of FläktGroup's 227VM actuator is now available for selection. Controlling the device is even easier than before, since the bus technique allows the set values to be adjusted remotely using the building management system monitoring station.

ADVANCED LAB FACILITIES

FläktGroup has developed some of the most advanced lab facilities in the world. The ability to test not only individual products, but entire systems gives us a unique advantage to deliver the greatest possible energy savings to our customers around the world.

FAST AND EASY SYSTEM DESIGN

FläktGroup products can be designed by most common dimensioning software. Our commercial and technical sales support teams are also available to assist you in choosing the right products, and meeting your certification targets.

