AIR MANAGEMENT

ERVA

ERVA

» NEW MEMBER OF
THE OPTIVENT FAMILY

KEY BENEFITS

- Real-time airflow measurement for optimised air quality and energy efficiency
- Time efficient installation and calibration, nothing more than a screwdriver is needed and the adjustment is exceptionally accurate
- Extremely wide airflow range
- High accuracy
- Range covers the following sizes:
  Width: 020 - 120 (cm)
  Height: 010 - 100 (cm)
- Easily connected to the Building Automation System via Modbus
- System optimisation, integrated with IPSUM

OPTI-VENT® by FLÄKTGROUP

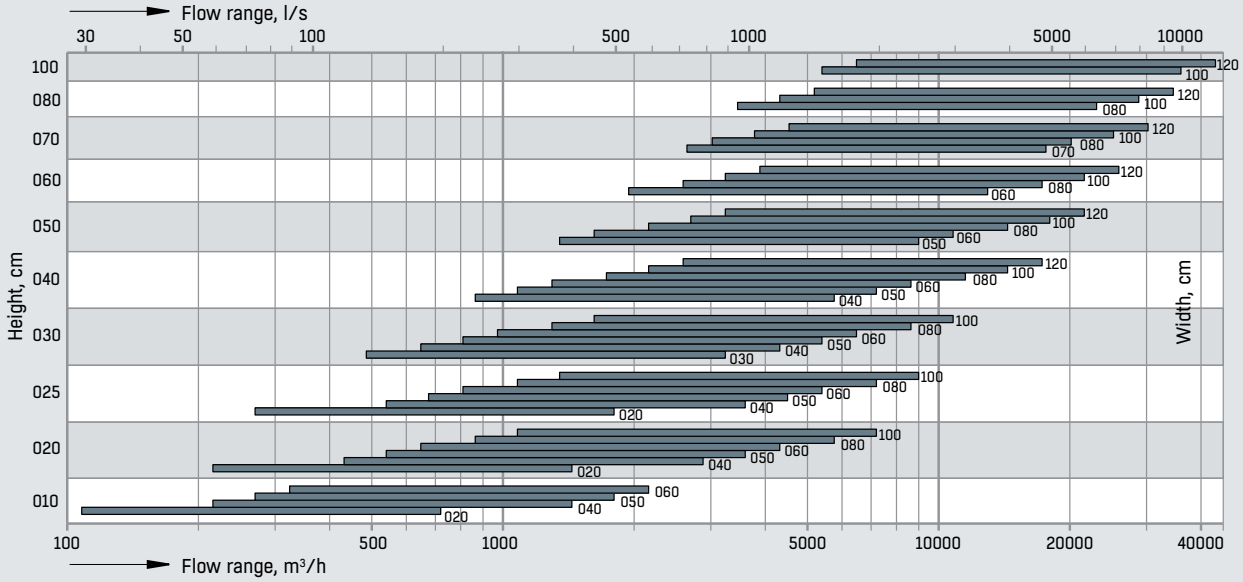
NEW MEMBER OF THE OPTIVENT FAMILY – RECTANGULAR VAV DAMPER ERVA

The ERVA is a rectangular Airflow Variator for OPTIVENT Systems. It is used to control and regulate the supply airflow and the exhaust airflow. It can be used for many different purposes, for example to regulate temperature and air quality in a room.

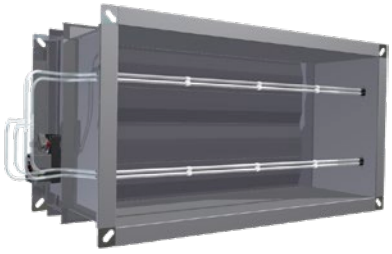
It offers flange and slip joint with short body construction for easy installation. Compact VAV Actuators are available as analogue, Modbus and IPSUM compatible for easy commissioning. An insulated and non-insulated version with wide airflow range is available for easy designing.

FläktGroup®

AIRFLOW RANGE



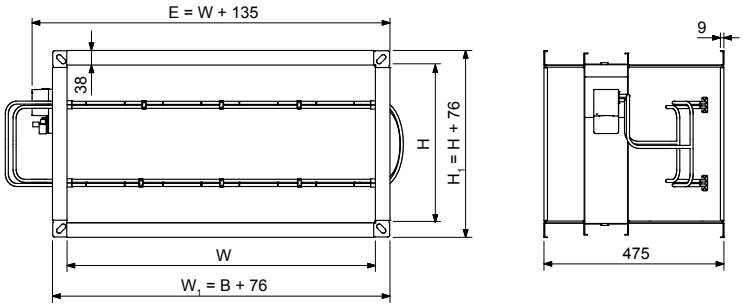
AIRFLOW MEASUREMENT



Shape and construction of the measurement tubes give high Sensor pressure with only small total pressure drop over the VAV Damper. High Sensor pressure means high accuracy and small total pressure drop means small energy consumption.

DIMENSIONS AND WEIGHTS

H \ W	200	250	300	400	500	600	700	800	1000	1200
100	3,3	3,8	4,2	5,2	6,2	7,1				
200	4,6	5,0	5,5	6,5	7,5	8,4	9,3	10,3	11,2	
250	5,2	5,5	6,2	7,1	8,0	9,0	10,0	10,9	11,9	
300			6,8	7,7	8,7	9,6	10,6	11,6	12,5	
400				9,0	10,0	10,9	11,9	12,9	13,8	14,7
500					11,3	12,2	13,2	14,1	15,1	16,0
600						13,5	14,5	15,4	16,4	17,3
700							15,8	16,7	17,7	18,6
800								18,0	19,0	19,9
1000									20,2	21,2



PRODUCT CODE

ERVA-a-bbb-ccc-d-e

Actuator (a)
1 = Compact Controller 227VM
2 = Compact Controller EMBL
3 = Compact Controller KNX
5 = Compact Controller for Modbus 227VM-MB
6 = compact controller for Modbus IPSUM version 227VM-MB-ST

Width (bbb)
020, 025, 030, 040, 050, 060, 070, 080, 100, 120

Height (ccc)
010, 020, 025, 030, 040, 050, 060, 070, 080, 100

Joint (d)
1 = Slip joint without insulation
2 = Flange joint without insulation
3 = Slip joint with insulation
4 = Flange joint with insulation

Tightness (e)
2 = Tightness class 2