

VAV flow regulator

RAVAV



Description

The RAVAV regulator is dedicated for forced ventilation systems and is an important component for installations with variable air flow.

The regulator casing is made of Z 275 galvanized sheet. Optionally, it is possible to use the 1.4301 stainless steel to build the casing. Casing sides with factory-installed EPDM rubber gaskets ensure tight connection to ventilation ducts. Inside the casing, the adjusting damper is also insulated (depending on the control mechanism). The servomotor is installed on the control unit casing so as to allow for thermal insulation of the system. The regulator is also available in the version with pre-installed 50 mm insulation and a galvanised steel shield.

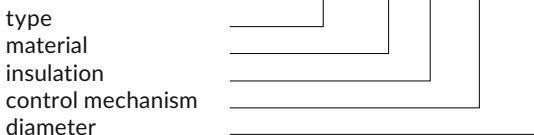
The measuring system based on aluminum impact pressure tubes and pressure relieve stub pipes ensures reliable measuring of the air flow.

Sensor, control unit and servomotor are integrated in one device. The servomotor adjusts the damper position, the control unit compares the current air flow rate with the set value and the sensor turns the differential pressure value into electric signal.

It is possible to use separate control mechanism components to achieve shorter operating times of the actuator or to use the sensor in an aggressive environment.

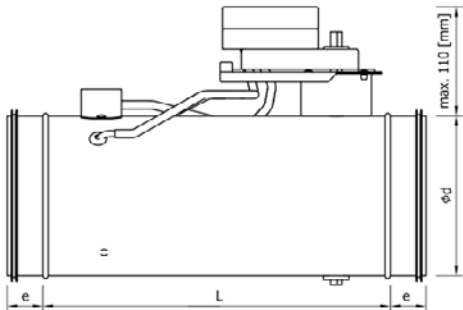
Product code example

Product code: **RAVAV - K - 50 - ccc - 125**

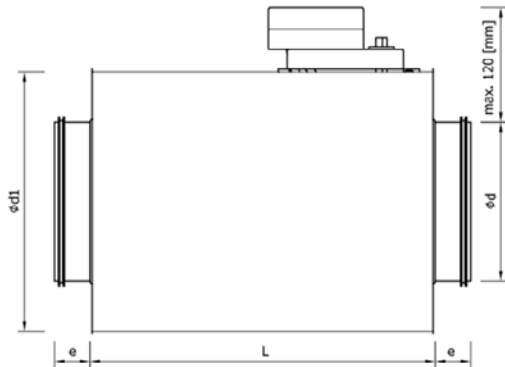


Dimensions

Default: not insulated



Version insulation with external shield, thickness: 50 mm



DN	L [mm]	e [mm]	d [mm]	d1 [mm]	Weight RAVAV [kg]	Weight RAVAV-I [kg]
100	338	36	99	200	1,4	2,8
125	338	36	124	224	1,7	3,4
160	338	36	159	250	2,1	4,2
200	338	36	199	300	2,3	4,5
250	528	36	249	355	4,0	8,0