

ERVC Circular variable air flow regulators with servomotor LMV-D3MP



Description

These regulators are used to control and maintain the amount of air in VAV systems.

Notes

For correct pressure readings and for a flow rate tolerance of 5%, a straight duct with a length equal to 2/3 times the regulator diameter must be provided upstream. Otherwise, the air flow rate may vary between 10% and 20% from the calibrated value.

Characteristics

- Galvanised steel sheet casing;
- Dynamic Δp probe to measure and maintain the air flow rate according to the room demand;
- Galvanised steel damper with sealing gaskets;
- Operating range between 20 and 1500 Pa;
- Flow rate adjustment and control by means of a linearised motor controller;
- Self-generated and radiated noise tests according to the EN ISO 3741 Standard;
- Damper tightness test performed according to the EN 1751 Standard.
- VAV-COMPACT, AC/DC 24 V, MP-Bus, IP54 LMV-D3-M (5nm) (Standard)

On request

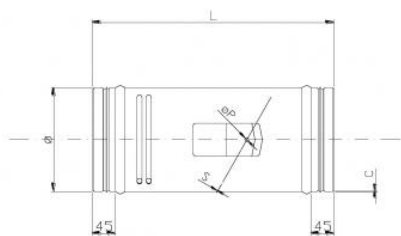
- VAV-Compact, AC/DC 24 V, Bacnet MS/TP, Modbus RTU, MP-Bus, IP54 LMV-D3-MOD (5Nm)
- VAV-Compact, AC/DC 24 V, KNX (S-Mode), IP54 LMV-D3-KNX (5Nm)

Models

- ERVC single casing.
- ERVC-I double casing.

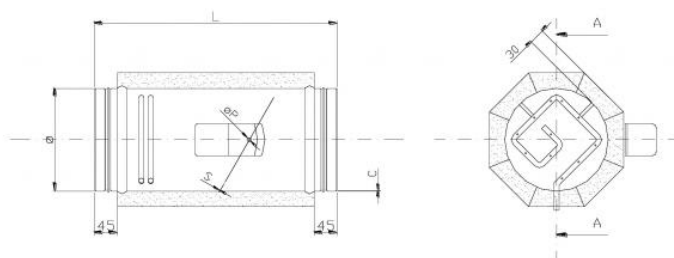
SEMPLICE INVOLUCRO

SEZ. A-A



DOPPIO INVOLUCRO

SEZ. A-A



Operating data and price list:

When ordering, indicate the minimum and maximum air flow rates to be programmed.

Model	Minimum air flow rate	Maximum air flow rate	øP	S	L	C	ERVC single casing. Control signal 2...10V	ERVC single casing. Control signal 0...10V	ERVC-I double casing. Control signal 2...10V	ERVC-I double casing. Control signal 0...10V
mm	m ³ /h	m ³ /h	mm	mm	mm	mm	euro	euro	euro	euro
125	53	445	8	0,6	370	0,8	✓	✓	✓	✓
160	87	725	8	0,6	415	0,8	✓	✓	✓	✓
200	138	1130	8	0,6	470	0,8	✓	✓	✓	✓
250	212	1770	8	1,2	540	0,8	✓	✓	✓	✓
315	337	2810	12	1,2	630	0,8	✓	✓	✓	✓
355	428	3570	12	1,2	685	0,8	✓	✓	✓	✓
400	543	4525	12	1,2	7	0,8	✓	✓	✓	✓