

# 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  $\Delta p$  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

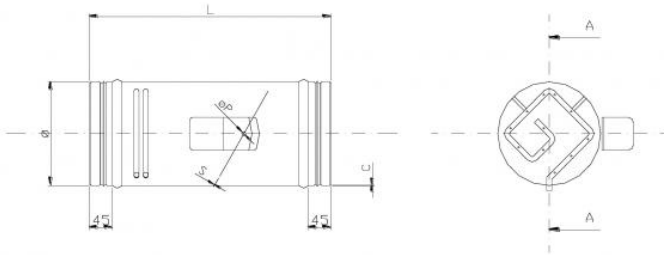
- VAV-Compact, AC/DC 24 V, Bacnet MS/TP, Modbus RTU, MP-Bus, IP54 LMV-D3-MOD (5Nm)
- VAV-Compact, AC/DC 24 V, KNX (S-Mode), IP54 LMV-D3-KNX (5Nm)

## Models

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

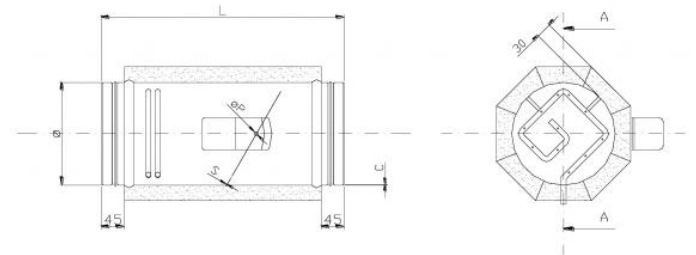
## SEMPLICE INVOLUCRO

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		$\phi P$	S	L	C	ERVC single casing, Control signal	ERVC single casing, Control signal	ERVC-I double casing, Control signal	ERVC-I double casing, Control signal
	$m^3/h$	$m^3/h$	$m^3/h$	$m^3/h$					2...10V	0...10V	2...10V	0...10V
125	53	445	8	0,6	370	0,8		520,51	520,51	550,86	550,86	
160	87	725	8	0,6	415	0,8		533,52	533,52	565,32	565,32	
200	138	1130	8	0,6	470	0,8		546,52	546,52	582,66	582,66	
250	212	1770	8	1,2	540	0,8		563,87	563,87	608,68	608,68	
315	337	2810	12	1,2	630	0,8		587,00	587,00	637,59	637,59	
355	428	3570	12	1,2	685	0,8		607,23	607,23	662,16	662,16	
400	543	4525	12	1,2	7	0,8		630,36	630,36	691,07	691,07	