

ERVS Single duct vav box in galvanised steel.



Description

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

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).

Models

- ERVS single casing.
- ERVS-I double casing.

On demand

- 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).

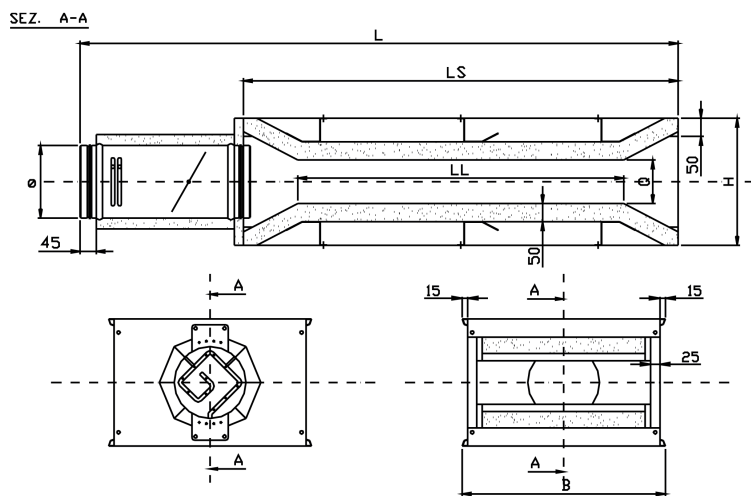
Accessories

Water or electric reheat coil (prices on request).

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.

Simple Casing Diagram

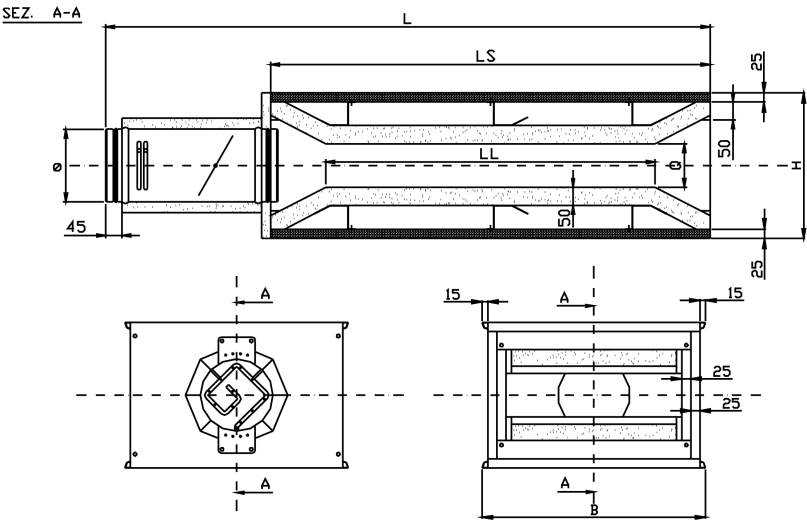


Simple Casing Dimensions

All dimensions are expressed in mm.

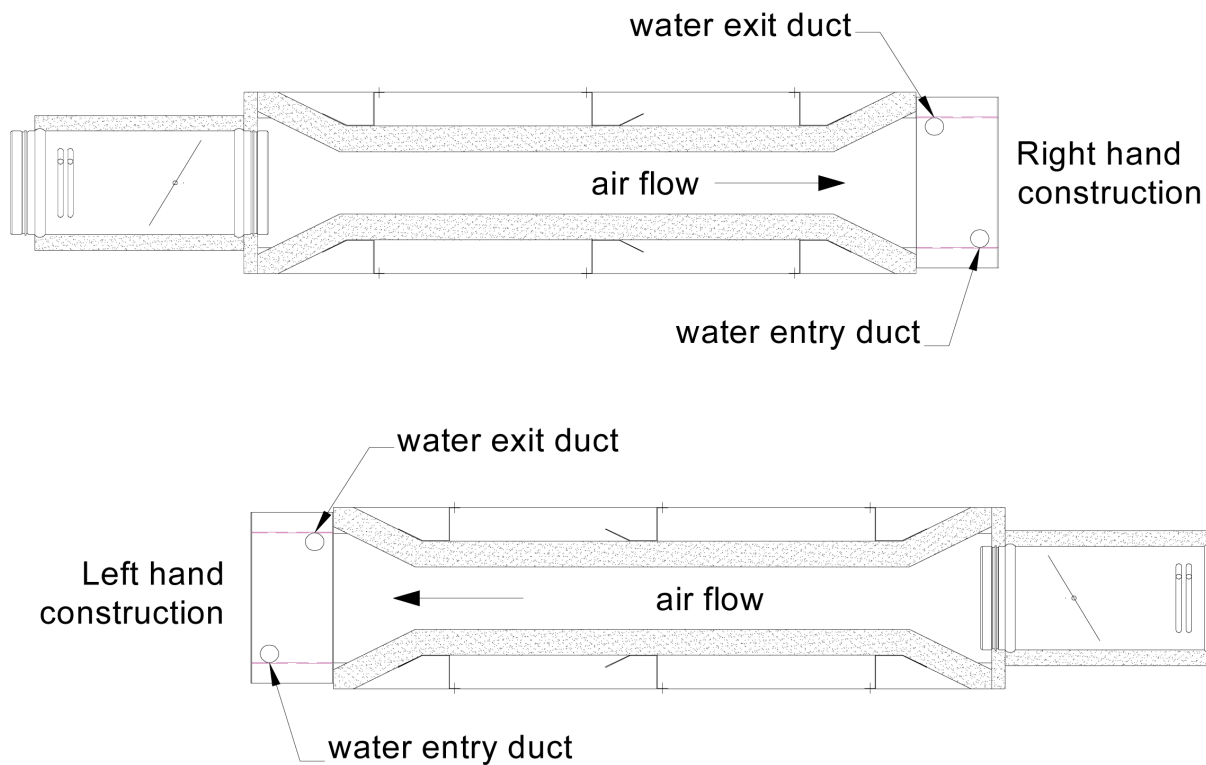
Ø	B	H	L	Q	LS	LL
125	380	270	1350	90	1000	800
160	380	270	1395	90	1000	800
200	560	360	1650	130	1200	900
250	560	360	1720	130	1200	900
315	780	460	2010	180	1400	1000
355	780	460	2065	180	1400	1000
400	980	510	2230	230	1500	1100

Double casing diagram



Double Casing Dimensions

Ø	B	H	L	Q	LS	LL
125	430	320	1350	90	1000	800
160	430	320	1395	90	1000	800
200	610	410	1650	130	1200	900
250	610	410	1720	130	1200	900
315	830	510	2010	180	1400	1000
355	830	510	2065	180	1400	1000
400	1030	560	2230	230	1500	1100



Operating Data and Price List:

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

Prices and characteristics of water coils on request.

Model	Minimum Air flow	Maximum Air flow	ERVS - Segnale di controllo 2...10V	ERVS - Segnale di controllo 0...10V	ERVS-I - Segnale di controllo 2...10V	ERVS-I - Segnale di controllo 0...10V
mm	m ³ /h	m ³ /h	euro	euro	euro	euro
125	53	445	888,77	888,77	1.171,24	1.171,24
160	87	725	901,28	901,28	1.251,08	1.251,08
200	138	1130	1.084,54	1.084,54	1.561,20	1.561,20
250	212	1770	1.102,90	1.102,90	1.634,03	1.634,03
315	337	2810	1.356,63	1.356,63	2.035,76	2.035,76
355	428	3570	1.382,35	1.382,35	2.092,54	2.092,54
400	543	4525	1.611,76	1.611,76	2.456,93	2.456,93