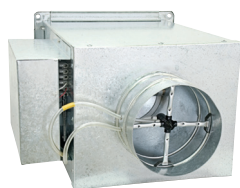


Pressure Independent VAV Boxes

Basic units and extended casings



VA 110
Basic unit



VA 120
Extended box comprising of
basic unit with attenuator section

Green
Product

TWISTED
+
VAV
=
Your Best
Comfort Solution

Advantages

- Volume flow rate controlled by:
- zone temperature control signal
- duct static pressure.
- Lower system energy consumption cost.
- Lower set up and installation cost.

DESCRIPTION

- Please, see page 186.

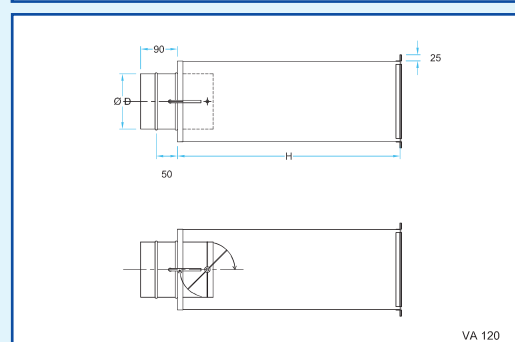
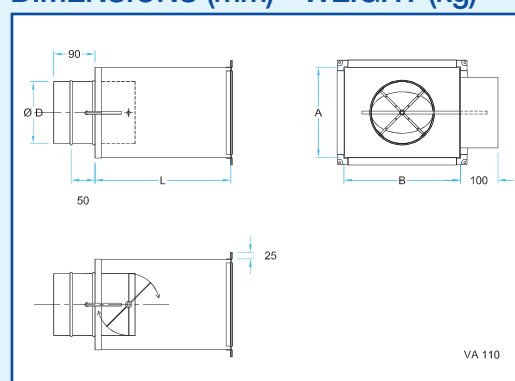
CONSTRUCTION

- VA 110 and VA 120 units manufactured from 20 ga. galvanized sheet steel casing.
- The blade assembly comprised of single skin 22 ga. galvanized sheet steel with a flexible gasket to assure low leakage.
- All VA units are lined by 1/2" thick sound liner.
- All VA units are equipped with actuator which accepts as standard 0-10 or 2-10 V signals from thermostat units.
- All units can be supplied with secondary attenuators to achieve required noise levels.
- Controls are calibrated and tested by Aldes.
- Units are provided with flow sensor grid at the inlet of the unit.

RANGE

Description	Code
Pressure independent VAV: VA 110	
VA 110 - 12	
VA 110 - 14	
VA 110 - 16	
VA 110 - 20	
VA 110 - 25	
VA 110 - 31	
VA 110 - 40	
Pressure independent VAV: VA 120	
VA 120 - 12	
VA 120 - 14	
VA 120 - 16	
VA 120 - 20	
VA 120 - 25	
VA 120 - 31	
VA 120 - 40	

DIMENSIONS (mm) - WEIGHT (kg)



VA	A	B	Ø D	H	L	V	W	Qnom
12	210	310	123	1000	400	0.056	7	540
14	210	310	138	1000	400	0.056	7	700
16	260	310	158	1000	400	0.066	7	920
20	260	310	198	1000	400	0.066	7.5	1460
25	320	360	248	1000	400	0.086	8.5	2300
31	385	410	313	1000	500	0.139	12	3700
40	460	615	398	1000	500	0.222	16	5980

- V (m3) is the overall volume of the basic unit (VA 110).
- W (kg) is the weight of the basic unit (VA 110).
- Qnom is the nominal airflow rate in m³/h.

EXTENDED CASING

The correction values highlighted in the adjacent graph should be deducted from the discharge sound power level characteristics indicated in the VA 110 discharge sound power level data for the introduction of the attenuation within the extended box (VA 120).

