

**Heavy Duty Type - VAVH / VAVHDS**
**Models B - 10/20/30**
**Heavy Duty Models VAVH B - 10/20/30 For High Pressure Applications**

Heavy duty type Bypass , Pressure Independent and Pressure Dependant VAVs' are manufactured for high pressure applications.

**Standard construction**
**Casing**

1.2 mm thick galvanized sheet steel.

**Insulation**

25 mm thick 32 kg/m<sup>3</sup> density Acoustic liner.

**Blade**

0.9 mm thick aluminium extruded aerofoil multiple blades.

**Flow grid**

Flow grid multi point with 12 inlet holes in four concentric circles.

**Axle Shaft**

12 mm diameter axle shaft made of galvanized steel.

**Bearings :**

12 mm diameter Brass bearings.

Neoprene Gasket.

**Controls :**

Modulating / On-Off.

**Optional Construction**
**Controls**

Backnet DDC with suitable thermostat.

**Sound Attenuator**

VAV with additional length insulated casing for sound attenuation.

**Duct Heater**

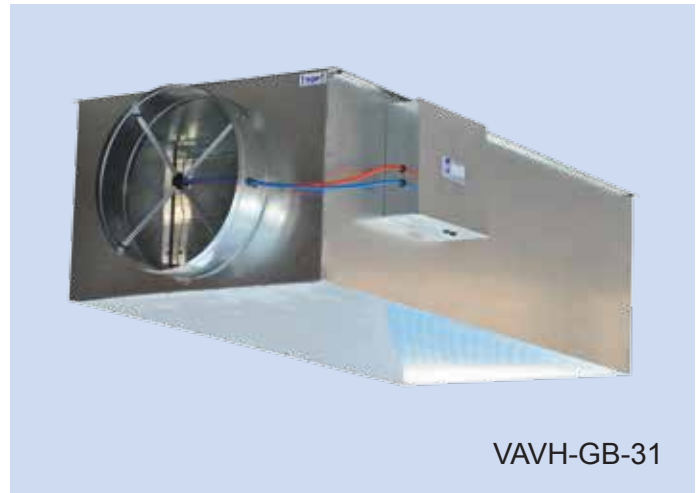
Slip-in type electric duct heater (230V AC 1 Phase or 400V AC 3 Phase)

**Double skin**

Insulated internal walls surface with Galvanized perforated sheet used for low noise applications to minimise breakout noise.

**Neck connections**

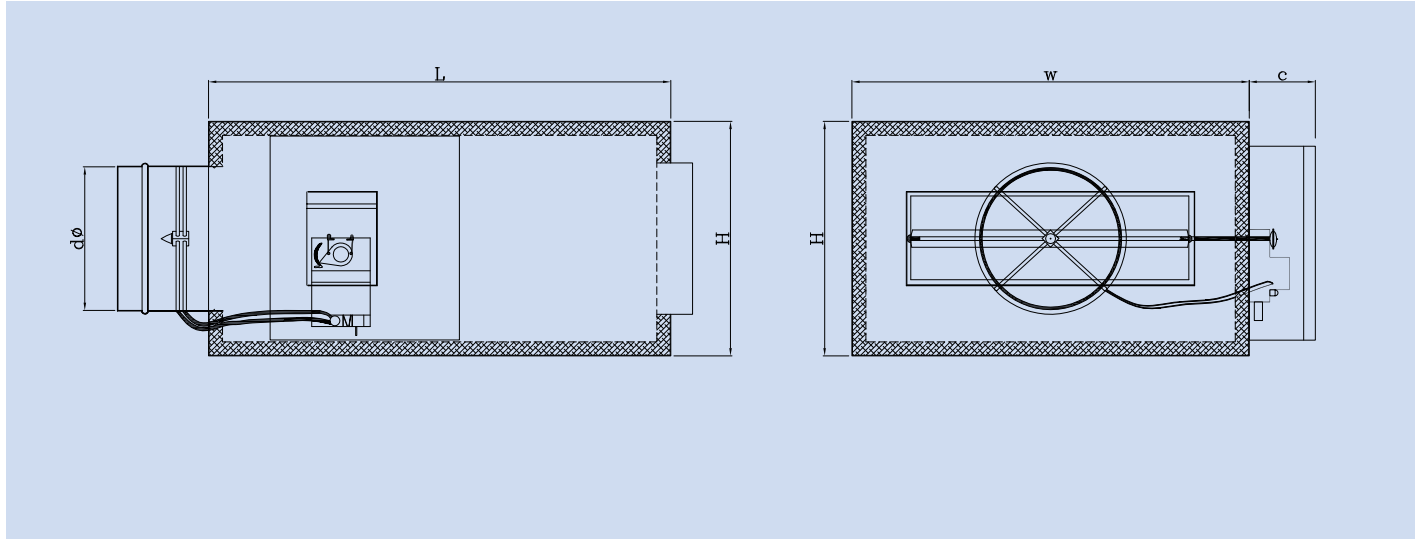
Round inlet with round outlet and square inlet with square outlet.


**VAVH-GB-31**
**Technical Features:**

- Volume control range from 100 to 10% is possible to the conditioned zone.
- Accurate airflow sensing with 2 X 12 points averaging.
- Low Leakage i.e. less than 2% of V nominal at 750 Pa.
- Designed to produce low NC levels with minimal pressure drop to the system.
- Suitable for use as constant volume application, it can maintain a set flow requirement, compensating for fluctuations in system pressure.
- Suitable for single duct variable volume control
- Air volume capacity upto 2800 CFM
- Electronics control factory supply & mounted.
- Variety of control options available, based on applications.
- Electronic thermostat & actuator provide accurate mounting control.
- Metal encapsulated edges limit fiberglass insulation erosion into the airstream.
- Single-point power connection reduces installed cost. Maintenance free.
- AHRI Certified

Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.



**Heavy Duty Type - VAVH / VAVHDS**
**B-10/20/30 Series**
**Model : VAVH / DS B 10/20/30 - Construction Details And Dimensions**

**Dimensional data for VAV H B 10/20/30**

Model (X)	Air Flow Range (cfm)	d-Inlet (mm)	L (mm)	L+SA (mm)	w (mm)	h (mm)	s (mm)	c (mm)	Casing (Gauge)
K	3500	450 $\emptyset$	1000	1600	900	550	125	80	18g
L	4400	500 $\emptyset$	1000	1600	900	600	125	80	18g
M	5300	550 $\emptyset$	1000	1600	900	650	125	80	18g
N	6300	600 $\emptyset$	1000	1600	900	700	125	80	18g

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