

VERTICAL DISCHARGE COWLS



DESCRIPTION

The Vertical Discharge Cowls are ideal in ducted systems where the fan is mounted remotely below roof level.

They work together with a mechanical exhaust system while preventing the entry of rain when not in use. These durable and robust units are available with a flanged or square base for mounting on circular duct and flues or square upstands respectively.

There are 16 sizes in the range handling air flows from 0.1 to 70m³/s

Typical Applications

Used as the discharge point where the fan is mounted elsewhere in the system yet vertical discharge exhaust is required. Ideal in applications such as shopping centres, office buildings and sports centres. The pressure loss through the cowl must be added to the system pressure loss before selecting the fan.

Features

- Enables the vertical discharge of air while preventing rain from entering building.
- Steel components have a corrosion resistant finish.
- Fitted with reliable gravity air-operated backdraft shutters.

Construction

Backdraft shutters: Sizes 31 to 80 - Made from aluminium.
 Sizes 90 to 200 - Made from galvanised sheet steel.

Cowls are of galvanised steel.

Fitted with gravity air-operated backdraft shutters.

Steel components have a corrosion resistant finish.

Special Notes

Vertical Discharge Cowls are designed for relatively high air discharge velocity. At low discharge velocities, rain could enter the building. For these types of applications an Alpha Relief Air Vent is recommended. See page D-10.

For any application where prevailing winds may lift the shutters of the Vertical Discharge Cowl, we recommend the fitting of Magloks®. See page J-8 for details.

Ensure the hinge of the shutter points down the slope of the roof.

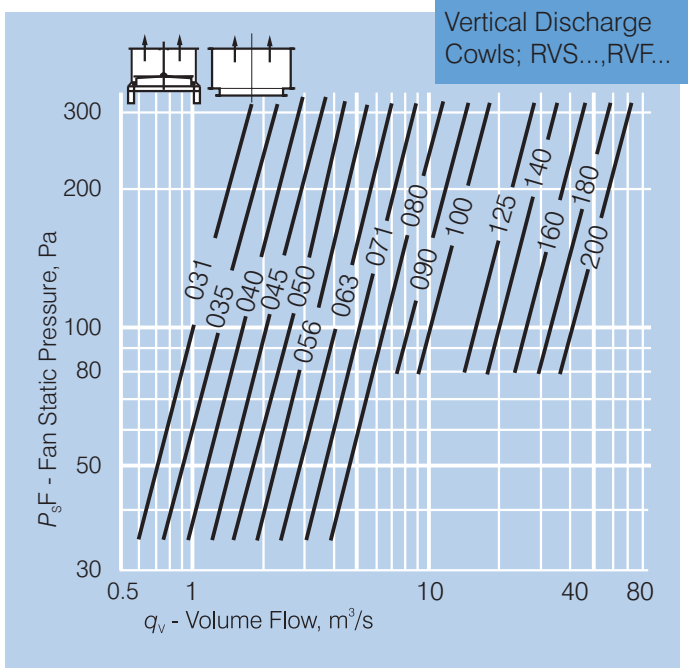
SUGGESTED SPECIFICATION

The vertical discharge cowls shall be of the RVF or RVS series as designed and manufactured by Fantech Pty Ltd. Each unit shall incorporate gravity air-operated backdraft shutters that are constructed from aluminium or galvanised sheet steel.

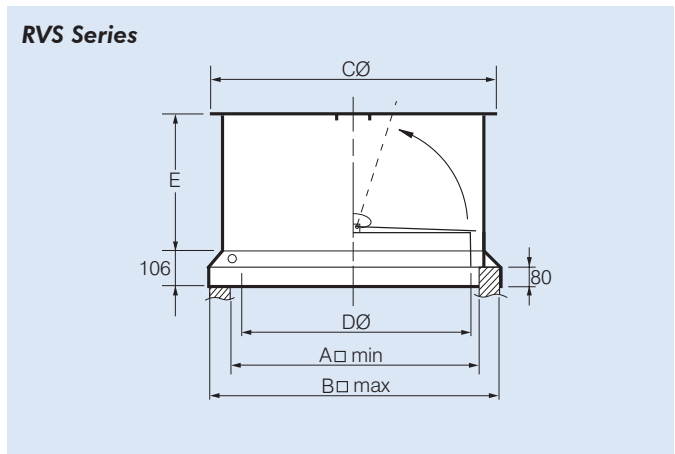
Cowls are of galvanised steel and steel components shall have a corrosion resistant finish.

HOW TO ORDER

Select the model required to handle the air quantity nominated from the performance graphs.



DIMENSIONS



Model RVS..	Dimensions, mm					App. wt. kg
	A□	B□	C	DØ	E	
031	300	500	580	315	250	23
035	300	500	620	355	250	23
040	410	610	656	400	300	29
045	410	610	706	450	325	31
056	570	770	816	560	380	39
050	570	770	756	500	350	41
063	780	980	886	630	400	53
071	780	980	966	710	450	56
080	880	1080	1056	800	500	65
090	1080	1280	1156	900	500	94
100	1080	1280	1258	1000	600	85
125	1280	1480	1508	1250	700	134
140	1480	1680	1658	1400	800	164
160	1680	1880	1854	1600	900	211
180	1880	2080	2053	1800	1000	304
200	2080	2280	2254	2000	1100	351