

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

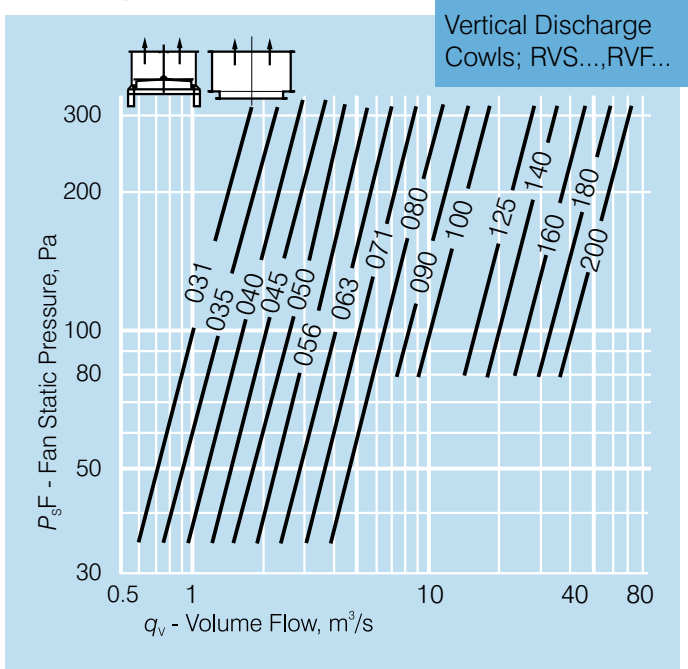
The vertical discharge cowls shall be of the RVF or RVS series as designed and manufactured by Fantech Pty Ltd.

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.

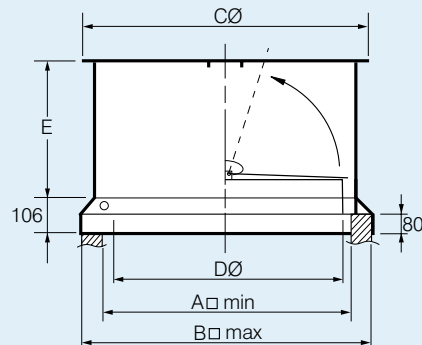
HOW TO ORDER

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



DIMENSIONS

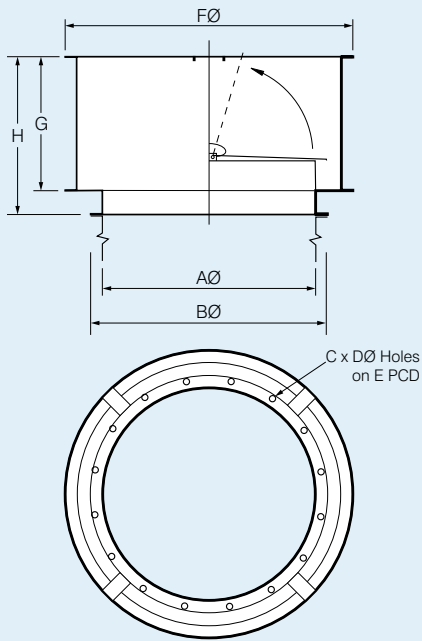
RVS Series



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

DIMENSIONS

RVF Series



Model RVF..	Dimensions, mm								App. wt. kg
	AØ*	BØ	C	DØ	E	FØ	G	H	
031	315	380	8	10	355	580	250	330	15
035	355	420	8	10	395	620	250	330	17
040	400	485	8	12	450	656	300	380	19
045	450	535	8	12	500	706	325	405	22
056	500	585	12	12	560	756	350	430	25
050	560	645	12	12	620	816	380	460	28
063	630	715	12	12	690	886	400	480	32
071	710	795	16	12	770	966	450	530	37
080	800	885	16	12	860	1056	500	580	44
090	900	1006	16	15	970	1156	500	580	56
100	1000	1106	16	15	1070	1258	600	680	61
125	1250	1356	20	15	1320	1508	700	780	85
140	1400	1526	20	15	1470	1658	800	880	117
160	1600	1730	24	19	1680	1854	900	980	157
180	1800	1960	24	19	1880	2053	1000	1080	195
200	2000	2160	24	19	2080	2260	1100	1180	220

* Nominal Duct Diameter



Scan the QR Code to view more information online.

