



How Does Void Ventilation System Work?

- Cool air is drawn through the intake grille (see blue airflow arrows in Fig. 1 below) and feed into the desired room via an optional 5m extendible ducting
- Air circulates around the room before passively exiting through the outlet grille, removing hot air, toxic fumes and vapour (see red airflow arrows).
- The grilles use our in-house vane design that ensures that 99% of salt mist and spray is removed from the intake air, meaning the system does not unwittingly introduce additional moisture, perpetuating the 'sweating' phenomena or causing corrosion.
- The system is fully reversible, allowing the airflow direction to be change to extraction (eg. toilet rooms, galleys, etc.)
- This creates a hybrid system which allows for effective positive airflow into void spaces or negative airflow in other rooms where appropriate.

Why Void Area Ventilation System?

- Perfect for rooms experiencing problems with 'sweating' - eg. store rooms, fuel compartments, lazarets
- Ensure void rooms have positive airflow
- Bull horn-esque design ensures inlet vents meet NSVC guidelines in regards to height above freeboard/Down flooding
- Design also ensures the height is low enough that it is concealed by rails and bulwarks

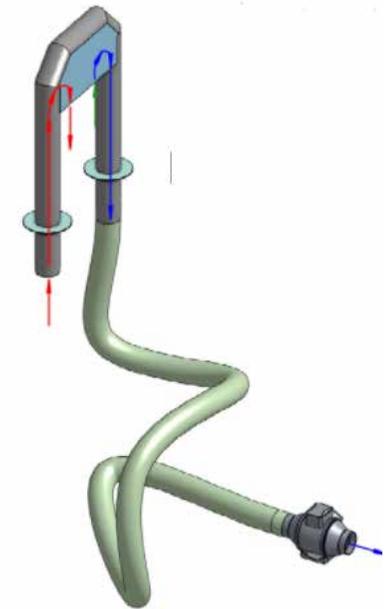


Figure 1: CAD Drawing of Void Ventilation System Showing Direction of Airflow



Void Area Ventilation Systems Spec Data Sheet

Sizing and Fan Options

There are various sizing options available for the Void Ventilation System as well as the option between an AC or DC fan (depending on inlet size). The table directly below shows the available sizes, fan options and price (note that the stock model has a 100mm diameter ducting and an AC fan). The second table shows information regarding the performance of the different fans. More information on the AC fans can be found using [this link](#).

Duct Diameter (mm)	Power Options	Price
100mm	Currently Only AC	\$2320 + gst
150mm	AC, 12 volt DC, 24 volt DC	\$2475 + gst
200mm	AC	\$2775 + gst

Duct Sizing	Fan Type	Air Flow (L/S)	Current Draw (A)
100mm	AC	70	0.11
150mm	12 V DC	150	1.2
150mm	24 V DC	139	1.67
150mm	AC	160	.22
200mm	AC	319	0.48

