

## **WW4.4 Waterwash Spraybooth**

*Airflow* Waterwash Spraybooths are supplied with their Washing Chamber section fully assembled for final site fitting of their Fans and Canopy section. This ensures a properly engineered and sealed washing system and, dramatically reduces site installation time.

*All Airflow Spraybooths are designed to both meet the latest European regulations and comply with HSG 178 - The Spraying of Flammable Liquids and they carry the benefit of the CE mark if destined for supply within the EC.*

The fan used on all *Airflow* Spraybooths is our unique 'cartridge' style design, specifically developed for use in aggressive environments where solvents and other dissolved contaminants within the exhaust air stream can quickly shorten the life of a conventional fan.

External Dimensions	- 2.9m high* 4.4m wide <sup>◇</sup> x 2.25m deep (*Excluding 0.55m long fan, <sup>◇</sup> Excluding 0.32 wide pump)
Internal Working Area	- 2.2m high x 4.2m wide x 1.1m deep (extendable by standard modules)
Ventilation	- 2 x <i>Airflow</i> 2.2kW (415/3/50 non-flp) belt-driven axial flow fans - 2 x 630mm diameter flue to atmosphere
Water Circulation	- 1.1kW (415/3/50 non-flp) <i>Lowara</i> pump set with stainless-steel impellor and Tungsten Carbide seal
Noise Levels	- Booth face: unattenuated - 78dB(A) attenuated - 63dB(A) - Free field: unattenuated - 73dB(A) @ 3 x duct dia (approx)

\* Noise levels are provided for guidance purposes only, as they are likely to be affected by other factors, e.g. additional sources of noise within the surrounding area, type of filter medium, installation format, etc.

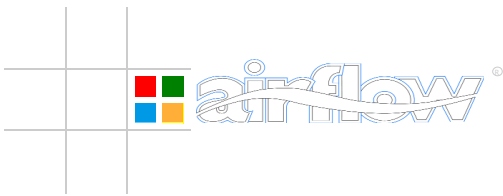
### Construction

- 1.2mm prime galvanised steel CNC punched and formed panels
- 2mm mild-steel fully welded and two-coat epoxy-painted tank
- Full width stainless-steel Water Curtain Screen
- Heavy-duty welded and screwed/socketed pipe work (with no rubber-type joints)
- Externally mounted gate valve

For wet sprayed applications a suitable Chemical Additive must be added to the Booth's water to denature finishes entering the re-circulating water. This will extend periods between routine maintenance and control the efficiency of the Booth. Additionally, a biocide should be applied to the water to protect against a range of bacteria which can disseminate into breathable droplets. Please refer to approved code of practice guidance note L8

An application of Peelable Coating to the inner face of the canopy will further simplify maintenance, reduce fire risk and, prolong the life of your installation.

Consideration should be given to the need for replacement air which, in volume, should equal that being ventilated whilst fans are in operation, for which *Airflow* offer a full range of Heated Air-replacement Units.

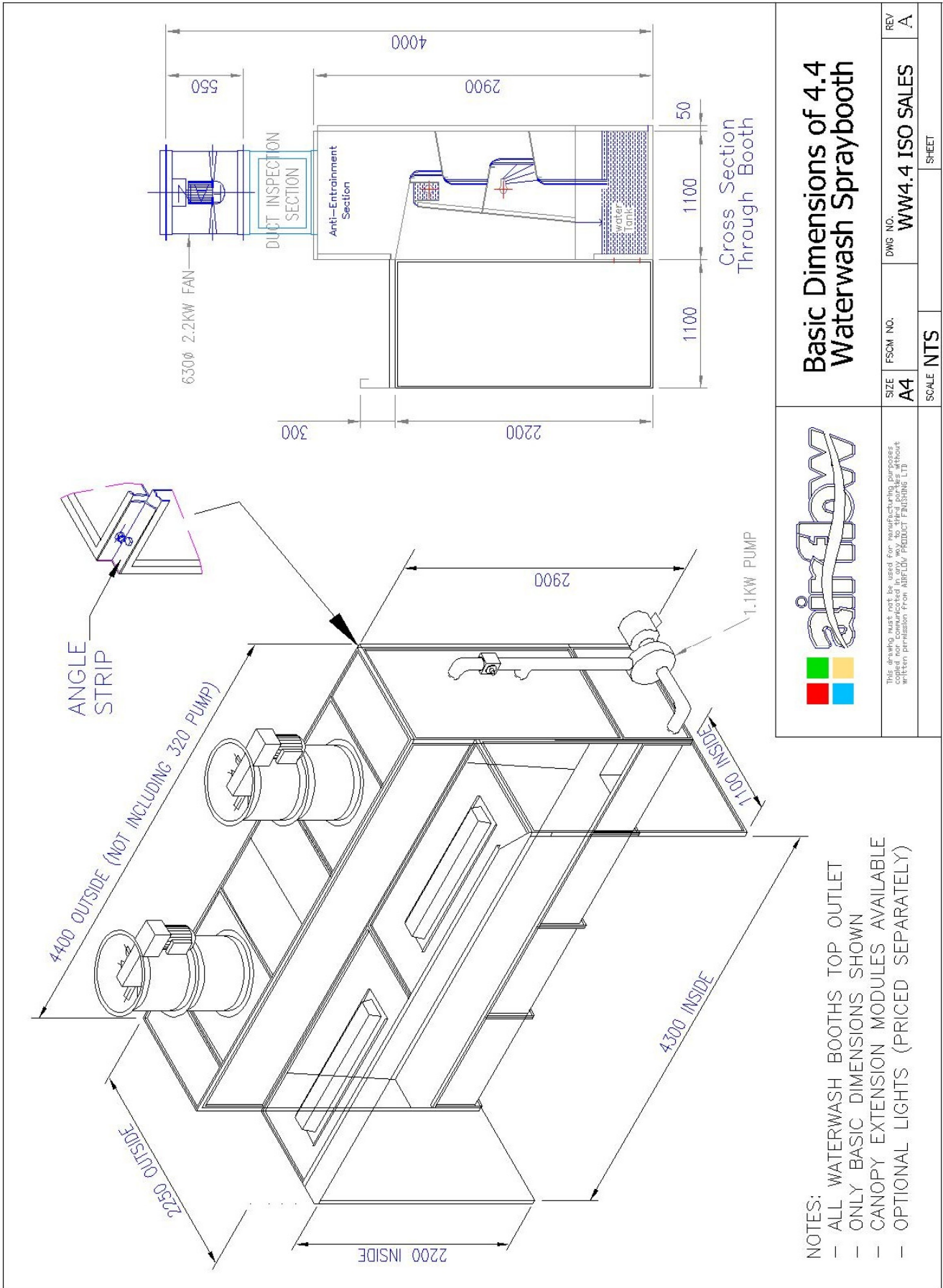
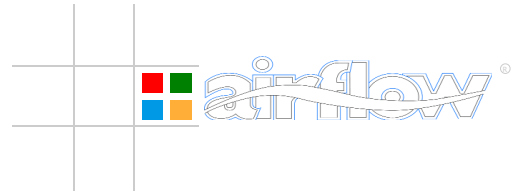


# Waterwash Spraybooth Specification

Please note that a Zone 2 Hazardous Area extends 2metres forward of the front edge of the Booth canopy and from floor-level to canopy height throughout that 2metre area. Consequently, no sources of ignition are allowed within that Area or, that of the canopy, which is a Zone 1 Hazardous Area.

Alternatively, a closed front (with inlet-air filters) can be provided for the Booth to contain the Hazardous Area to that within the resulting enclosed work area. Please refer to the 'Sprayrooms' leaflet enclosed, which illustrates the simple modular conversion of a Booth to an Enclosed Sprayroom.

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<p><small>THIS DRAWING IS NOT TO BE USED FOR ANY OTHER PURPOSES IF NOT SPECIFICALLY REFERENCED TO AIRFLOW PRODUCT FINISHING LTD WITHOUT PERMISSION FROM AIRFLOW PRODUCT FINISHING LTD</small></p>		SIZE	FSCM NO.	DWG NO.	REV
		A4	NTS	WW4.4 ISO SALES	A
SCALE				SHEET	