



Patent number: 2019100411

## **Specific Coanda Terms and Conditions as at 01/07/2019**

### **Airflow**

Certification of Coanda exhaust systems are based on the system achieving the specified airflows provided

Our calculations are based on the information provided with reference to hood sizing and equipment selection, any change to this will affect the calculations – it is the clients responsibility to advise us if there are any changes

If the specified airflow is not achieved, then the system will not function properly and may cause the warranty/ certification to be voided/ revoked

All stated pressures are in Pascals (Pa) at the hood and do not take account of pressure drops caused by duct friction, bends, register, other treatment measures such as ESD's and aspirated diffusers or any external factors

Exhaust and reticulation (if applicable) fan sizing and selection should utilise appropriate fit-for-purpose backward inclined centrifugal fans that are high temperature rated with metal blades and provide a consistent laminar flow within 60% of the curve delivering specified static pressure and effective capture

Makeup fan sizing and selection should utilise an appropriate fit-for-purpose centrifugal fan that provides consistent laminar flow within 60% of the curve delivering specified static pressure and effective capture

### **Services requirements**

10amp electrical connection for LED lights

Refer separate specifications for fogging system, Corona Ozone generator, ESP & Aspirated diffuser (if required)

Corectly selected VSD's appropriate to fan size

All electrical switching should be through a single switch located appropriately to the exhaust hood and interwired with selected components i.e. VSDF's, Ozone generator etc.

Plumbing & electrical interconnections between the canopy & control systems are by others unless specifically stated

All services must be installed and connected to the relevant code and our instructions



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### **Air and exhaust requirements**

There must be appropriate external exhaust and makeup air capacity provided via a suitable ducts and fans according to the input sheet provided

### **Ozone injection**

Ozone systems must be positioned to ensure a minimum of 2 seconds ozone reaction time before expulsion to atmosphere for the system to function effectively

Discharge must be to atmosphere in external, open areas and not into rooms or enclosed spaces

Some ozone may be detectable at point of discharge – additional measures may be required if this is not deemed acceptable. These applications are not covered in our quotation unless specifically stated

Ozone systems operate at optimum effectiveness when air temperatures are approximately 40 degrees Celsius within the exhaust duct

Temperatures above or below this will reduce the effectiveness

Ozone does not eliminate or control smoke, however it can reduce odours but will not eliminate all odour as this depends on many environmental factors outside of the exhaust system – refer the odour information in our input data sheet

### **Kitchen comfort**

Kitchen comfort is been calculated in W/m<sup>2</sup> and MET

Additional MET should ideally be below 2

It is affected by radiated heat from cooking surfaces, ambient temperature, air conditioning and distance from heat source etc.

We provide recommended distance as a guide only

It is the clients responsibility to ensure appropriate measures to deliver appropriate levels of kitchen comfort

### **Warranty and Certification**

Non-adherence to below may cause the warranty and to be voided/ revoked

High volumes of specific fats or cooking effluent may reduce performance and damage the system, please provide details of cooking processes prior to quotation

Excessive temperatures generated by cooking processes which may damage components

Inappropriate cleaning processes or chemicals

Incorrect installation

Incorrect external mechanical requirements such as duct sizing, positioning, VSD's etc.

Non-payment



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## **Cleaning**

Refer the separate cleaning instructions document

## **General**

We provide the above information as a guide only for the specification and installation of the exhaust system

Only items specifically listed in our quotation and specification are deemed to be included, all others are deemed to be excluded

We are not responsible for the design or specification of duct, fan or other parts of the mechanical systems unless specifically included in our quotation/ specification

Our warranty is limited to the performance of the hood alone and not the full mechanical exhaust installation unless specifically included

Certification is only provided for the components specifically stated to be covered by it

Revocation of warranty and certification for any reason automatically revokes provision of our public liability and public indemnity cover

Our complete terms and conditions are applicable to all Coanda systems supplied and are available at [www.coandahoods.com](http://www.coandahoods.com) or on request

Coanda exhaust systems are protected by Australian innovation patent # 2019100411

If you require any clarification, please feel free to contact us



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