

BRITANNIA AUSTRALIA TECHNICAL INFORMATION

IMPORTANT: ALL RECOMMENDATIONS AND SPECIFICATIONS OF BRITANNIA CANOPIES MANUFACTURED TO ORDER, ARE BASED ON INFORMATION AND DATA SUPPLIED BY THE CLIENT, ESPECIALLY THE LIST OF EQUIPMENT UNDER. THIS INFORMATION IS USED TO CALCULATE THE REQUIRED AIR VOLUMES NECESSARY FOR PROPER PERFORMANCE. ANY CHANGE TO THE EQUIPMENT MUST BE NOTIFIED TO BRITANNIA AUSTRALIA SO THAT RECOMMENDATIONS AND SPECIFICATIONS CAN BE REVISED/CONFIRMED. FAILURE TO OBSERVE THIS CAN RESULT IN INCORRECT PERFORMANCE AND NON CONFORMITY TO STANDARDS.

- For proper operation of your Britannia Exhaust Canopy it is essential that the system achieves the air-flows as specified. Failure to achieve these requirements will reduce proper extraction of the exhaust plume and also the effectiveness of the SUPERSTREAM filters. This can result in unsatisfactory extraction, poor air quality and excessive grease build up in ducts.
- All pressures nominated are in Pascals (Pa) and are calculated at the spigot. These do not take into account any pressure drops caused by duct resistance, bends, registers or any other filtration outside of the Britannia canopy itself.

ELECTRICAL

- Canopy lights are pre-wired to a junction box ready to be connected by others.
- All UV Hoods include a controller and interlocking safety devices which must be wired according to supplied Instructions. UV components require interconnection with the fan circuit to ensure that lamps are only activated whilst there is power applied to the fan.

MODULAR CONSTRUCTION

- Britannia *Capturestream*, *Britstream* and *Econex* variants utilise modular construction for ease of transport and handling, greater rigidity once assembled and installed, and are also self supporting. The different individual module sizes enables faster more economical manufacture and helps maintain our very high quality standards.

CAPTURESTREAM

- Britannia Exhaust Systems include the patented 3-sided *CAPTURESTREAM* technology, which utilises a small percentage of the make-up air to optimise particulate capture and does not rely on extra fans or wiring. Available in normal and reduced front height models.

ECONEX

- Britannia Exhaust Systems include the *ECONEX* technology range, which is available with Front extract, and Front and Back extract for maximum extraction performance, with or without make-up air.

BRITSTREAM

- Britannia Exhaust Systems include the *BRITSTREAM extract only* technology range, which includes Superstream Baffle Filters for superior extraction performance and world class grease filtration.

SUPERSTREAM FILTERS

- Patented technology on the Britannia *SUPERSTREAM* exhaust filters provides world-class leading grease filtration. Routine cleaning (by dishwasher) is recommended to maintain this efficiency and level of safety.

ULTRA VIOLET (-UV models)

- Britannia Ultra-Violet systems incorporate patented UV lamp modules that should not need any periodical cleaning. Do not touch the lamp surfaces. Any service work must be carried out with the necessary protective eye wear and must be conducted by qualified personnel.
- Ultra Violet lamp modules operate close to the filterbank for maximum effectiveness and should not require any routine maintenance other than normal replacement after approx 8800 hours of operation. Discharge from the exhaust ducts must be to external, open air.
- In some circumstances a slight ozone presence may be detected at the exhaust air discharge. In areas where this is critical (eg car parks etc.) additional activated carbon filtration may be required (not quoted). Ultra-Violet does not eliminate smoke.
- Ultra-Violet can reduce odours, however the system will not eliminate odour completely as this depends on many factors outside the scope of the Britannia Exhaust System.
- Extra heavy duty cooking, high volumes of fats or cooking by-products/solid fuels can require specification upgrade to optimise performance. Please advise FSM/Britannia of the cooking processes prior to quoting/specifying, and seek further advice from us.
- UV lamp modules have an expected life of approx. 8800 hours, at which point they should be replaced or when the 'replace lamps' warning light is illuminated. Lamp modules do not require routine cleaning.

GENERAL

- Should dimensions of the canopy or specification of the equipment under the canopy vary in any way from information originally supplied, FSM/Britannia must be advised so that data can be reviewed & revised/confirmed.
 - The perforated make-up air panels on the front of canopies supplied with make-up air come supplied with filter material which should be cleaned periodically depending on workload, or at least on a 6 monthly basis.
 - Only use water and mild detergents to clean the polished stainless steel surfaces. Never use bleach, acids or chlorine based products on these hoods.
 - FSM/Britannia provides the above as a guide for specifying and installing Britannia Exhaust Systems. Unless otherwise specified in our quotation, FSM/Britannia are not responsible for the design/specification/performance of any fan, ductwork, or any other parts of the mechanical system that has not been supplied by FSM/Britannia.
- This information guide must be read in conjunction with our full Terms & Conditions document supplied with the quotation, and should be read in conjunction with the Britannia Operating and Installation Manual available on our web-site .