

## **O & M INSTRUCTION**

### **PRODUCT 1845150 - AIR PRESSURISATION UNIT**

#### **Safety**

MAINS VOLTAGE IS PRESENT WITHIN THE UNIT. Care must be exercised when operating and maintaining this equipment. It is the responsibility of the user to ensure compliance with the HEALTH & SAFETY AT WORK ACT 1974, and other relevant legislation.

It is recommended that industrial gloves, overalls, eye protection and nuisance dust masks are utilised when changing filters which have been subjected to natural air, as opposed to air drawn from processes, where full risk assessments should be performed prior to changing. For some filters, an assessment regarding manual handling will need to be made.

Changing of filters should be carried out by experienced or trained personnel, in accordance with safety requirements as defined by the "Control of Substances Hazardous to Health (COSHH) Regulations. ie. Someone who fully understands the design, operation and implications of the product and its use.

#### **General**

The Air Pressurisation Unit is designed to be used for the supply of fresh or tempered air within the range -2 to +25 Degrees Celsius. The air handling unit is manufactured from sheet steel within an aluminium framework.

#### **Fan**

The fan is of the backward curved direct drive plug style EC fan, controlled with an adjustable speed controller operating on a 0-10V signal. It is electrically powered from a 240 Volt single phase supply.

#### **Controls**

On/Off – This isolates both the control circuit and the motor from the single phase supply.

Front Panel Rotary Knob – This enables the user to vary the fan motor speed via a 0-10V control voltage.

#### **Filtration**

The unit as standard is fitted with an M5 Bag Filter located behind an access door which is secured with 5 screws.

#### **Technical Specification**

- Voltage: 240Volts Single Phase 50Hz
- Current: 3 Amps Max
- Fan: Model GR28V-6IK.BA.1R
- Air Flow: 0.35 m<sup>3</sup>/s @ 400 Pa Total Pressure (50Pa Max External when used with H14 Cassette (P/No -1513104)
- Filters: M5 Bag Filter, Size: 492h X 594w x 225Imm Actual

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**Disposal of Air Filters Including Personal Protective Equipment**

- Filters and PPE have been damaged prior to use can be disposed of as normal industrial waste.
- Filters and PPE soiled with exterior air can be disposed of as normal industrial waste.
- Filters and PPE soiled by process air, bacterial, toxic and/or radioactive matter must be disposed of as Hazardous Waste in accordance with local regulations of the site and Environmental Health. Legislation prohibits removal of this waste from the site location.

For further information please contact Airclean Ltd