

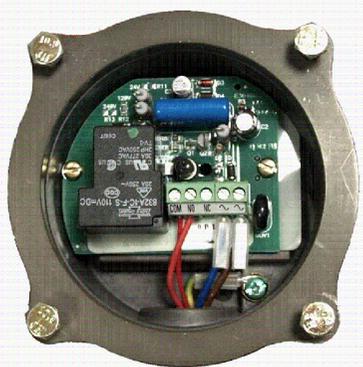
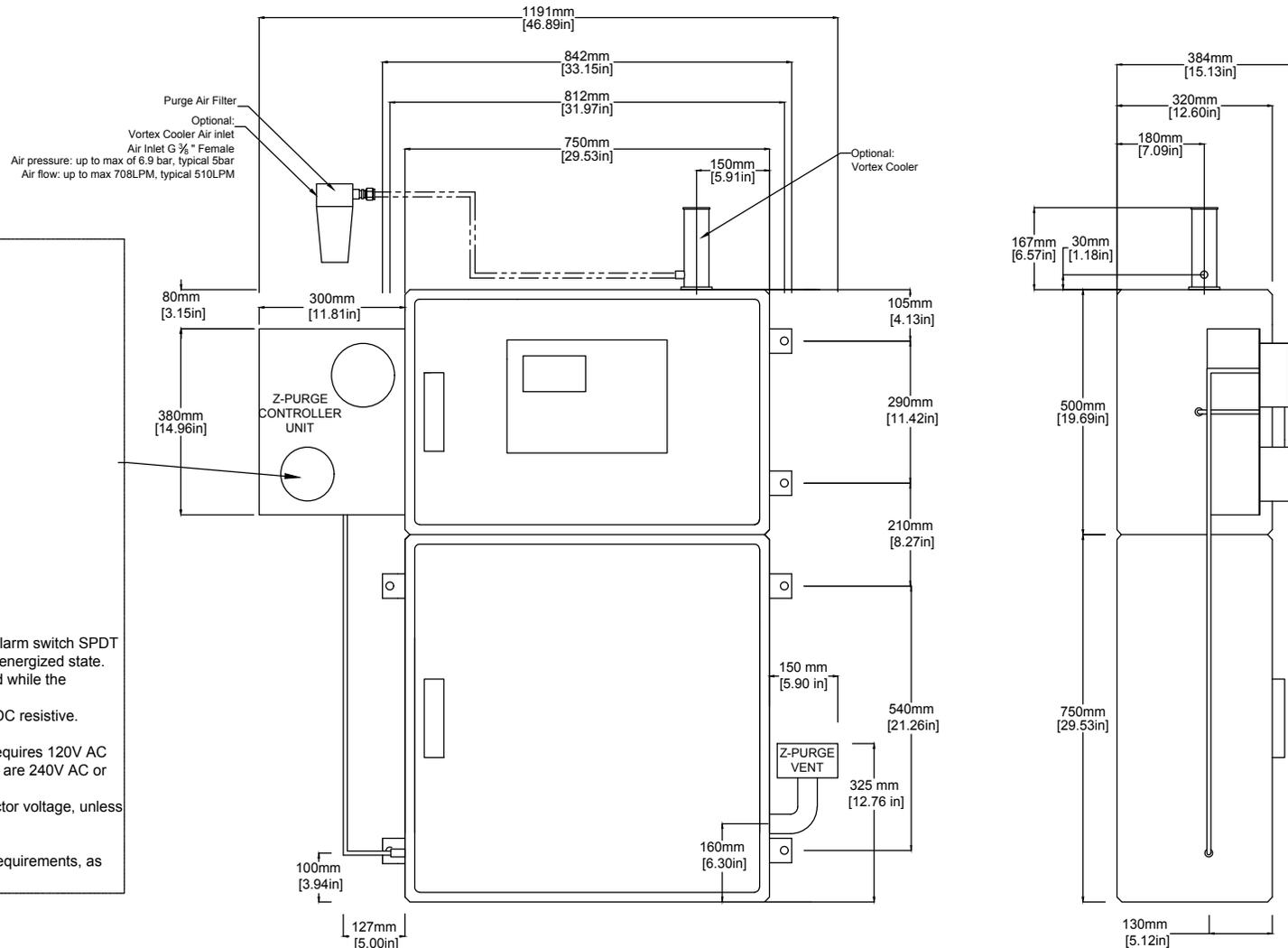
Purge Air requirements:

- Please refer to the BioTector Z-Purge User Manual

Vortex Cooler Air requirements:

- The Vortex Cooler gas shall be essentially free of contaminants, water vapor, oil or foreign matter and shall contain no flammable vapor or gas. All Vortex Cooler gas supplies shall be designed to minimize chances for contamination.
- Piping for the Vortex Cooler gas shall be protected against mechanical damage.
- The air compressor intake for the Vortex Cooler gas shall be located in an unclassified location.
- If the compressor intake line passes through a classified location, it shall be constructed of noncombustible material, designed to prevent leakage of flammable gases, vapors, or dusts into the purge gas, and protected against mechanical damage and corrosion.
- Vortex Cooler Air pressure: up to max of 6.9 bar, typical 5bar
- Vortex Cooler Air flow: up to max 708LPM, typical 510LPM

TYPE 23  
1250mm X 750mm X 320mm  
49.21in X 29.53in X 12.60in



The three terminals on the left (COM, NO, NC) are for the low pressure alarm switch SPDT contact. The contact markings in the switch refer to the contact in the de-energized state. For fail safe operation, it is recommended that the contact which is closed while the pressure switch is registering safe enclosure pressure is used. Contact ratings are 10A 120, 240 VAC, 28V DC resistive, or 50ma 125VDC resistive.

The two terminals on the right (~,~) are for power. The pressure switch requires 120V AC for the standard low pressure alarm switch. Optional power requirements are 240V AC or 24V DC. All +/- 10%.

The voltage rating of the pressure switch unit always matches the BioTector voltage, unless it is specifically requested to be different.

The wiring to the pressure switch has to comply with Class 1 Division 1 requirements, as the switch is rated Class 1 Division 1.

Depth of BioTector Enclosure is 320mm / 12.60 in  
8.no. fixing brackets for wall mounting are supplied with the BioTector.  
Each bracket has a 9mm / 0.35in hole for an M8 bolt.  
Weight of BioTector: 95 - 120kg  
Material of Enclosure: GRP (Glass Reinforced Polyester)  
Colour of Enclosure: Grey, RAL 7035

REV.	DETAILS	DATE
X5	Vortex Cooler added	16.05.19
X2	Description added	190813
X3	Description added	020913
X4	Imperial dimensions added	14.03.2017



PROJECT: BIOTECTOR	SCALE: N.T.S.
DWG. TITLE: TYPE 23 CABINET INCL. Z PURGE CONTROLLER	DATE: 19/10/2012
DWG. NO: 81904022	DR. BY: IOM
	CHKD. BY: MG
	VERSION: X5