

**DIAGRAM #2**

**Recommended layout for ECU1**

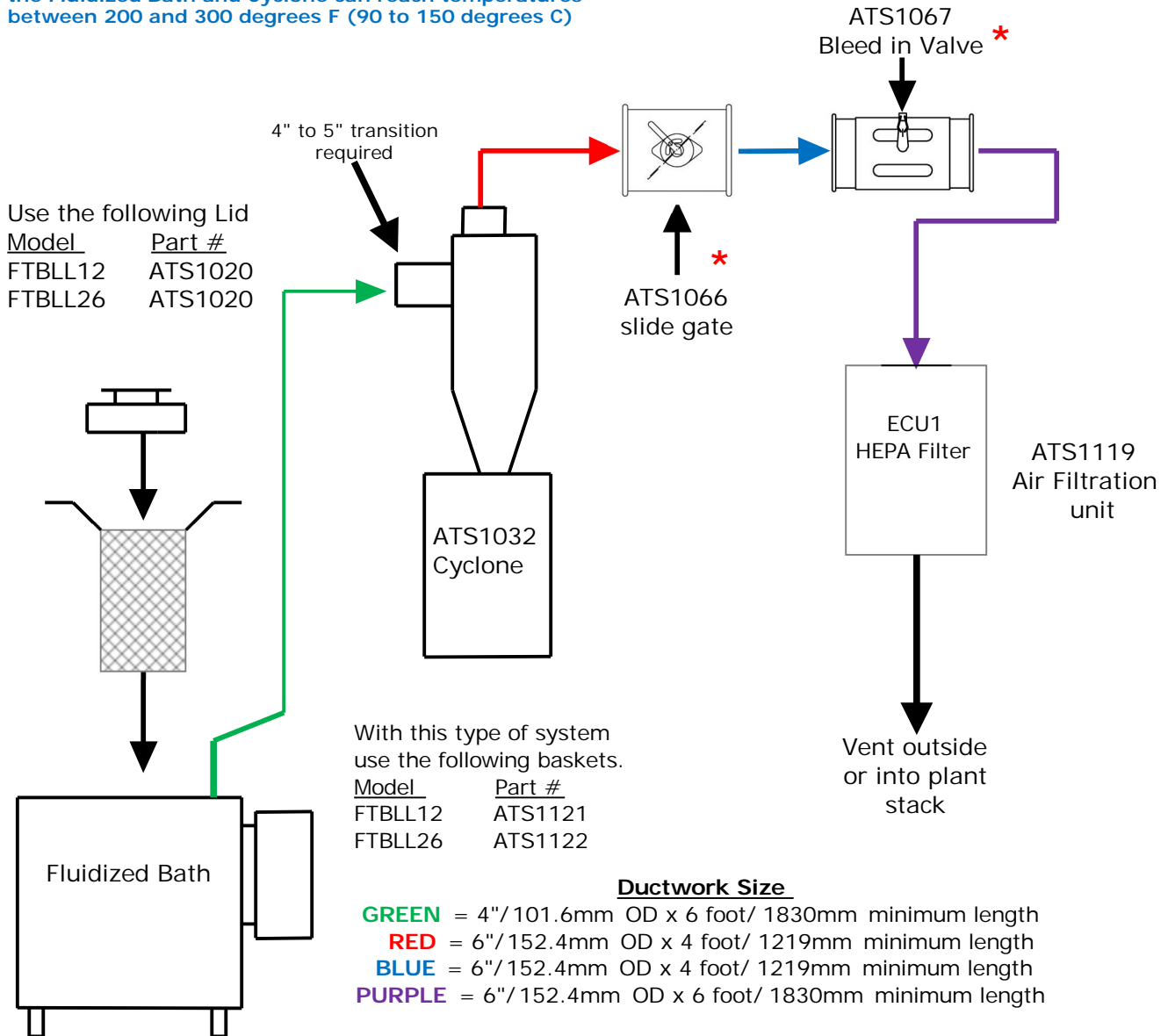
The following system will filter out fumes and smoke from the exhaust stream.



4104 Sylon Blvd  
Hainesport, NJ 08036  
www.accuthermal.com  
Ph: 609-326-3190

Customer is responsible for obtaining and installing all interconnecting ductwork between components. The ductwork lengths shown below are suggested minimums to keep components sufficiently cool. When the extraction rate is setup properly as described below the ductwork between the Fluidized Bath and Cyclone can reach temperatures between 200 and 300 degrees F (90 to 150 degrees C)

**NOTE: Customer is responsible for investigating local environmental regulations and any air quality permits that may be required when using thermal cleaning equipment.**



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With parts in the bath and lid on, the damper/slide gate valve would be adjusted so fumes and smoke are pulled away from the bath and into the air filtration system. If the damper is open too much it creates a negative pressure in the bath working area resulting in significant heat and sand loss. The purpose of the Cyclone is to recover any sand pulled out and heavier deposits which can be sieved and reused. The bleed in valve is opened to cool down the exhaust air stream before entering the filtration unit and to dilute captured fumes and smoke, In most cases should be opened nearly 100%. The inlet air temperature into the ECU1 HEPA filter and supplied black tubing should be less than 130 deg F or 55 deg C.