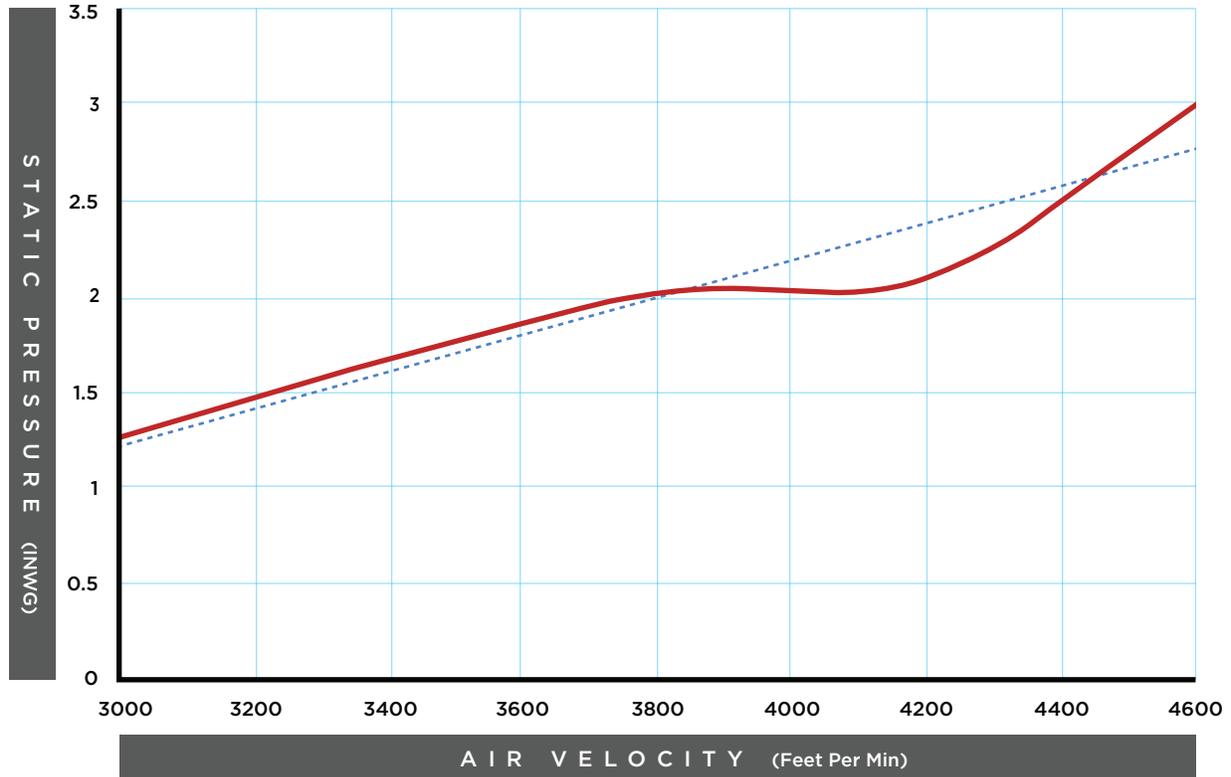


**ORIGIN  
DUCTWORKS**

**SPARK  
TRAP**

## STATIC PRESSURE TEST RESULTS



### PERFORMANCE

The Spark Trap is designed and applied as a preventative measure to reduce lifecycle and rate of hazardous sparks within the properly applied system. The spark trap is not designed to extinguish actual fires or stop mitigation of explosion.

### FIRE PROTECTION and SAFETY EQUIPMENT

The customer assumes the responsibility to contact their insurance company and or AHJ (Authority having Jurisdiction) to see what is required to meet the needs of fire protection, explosion ventilation, deflagration, isolation and any other related equipment. It is the customer's responsibilities to relay this information to Imperial Systems so that we can properly select and size the necessary equipment to meet their requirements. The customer should adhere to any and all NFPA, OSHA, federal & state, codes, rules and regulations.

### APPLICATION

**Location-** The Spark Trap can be installed vertically or horizontally. For optimal performance, it is recommended that the airflow traveling through the device be a laminar flow. This means that the airflow should be smooth and flowing in a straight line. Placing the Spark Trap immediately after an elbow or other obstruction can cause turbulence, which can reduce the effectiveness of the Spark Trap.

**Flow-** Best practice is using the spark trap in duct velocities greater than 4000 fpm but not exceeding 5000 fpm.

**Temperature-** Performance is dependent upon the conveying velocity being at lower temperature than the spark ember itself. Therefore, it should be used in operations with temperatures below ignition point of the suspended particulates and in no case higher than 200 degrees.