



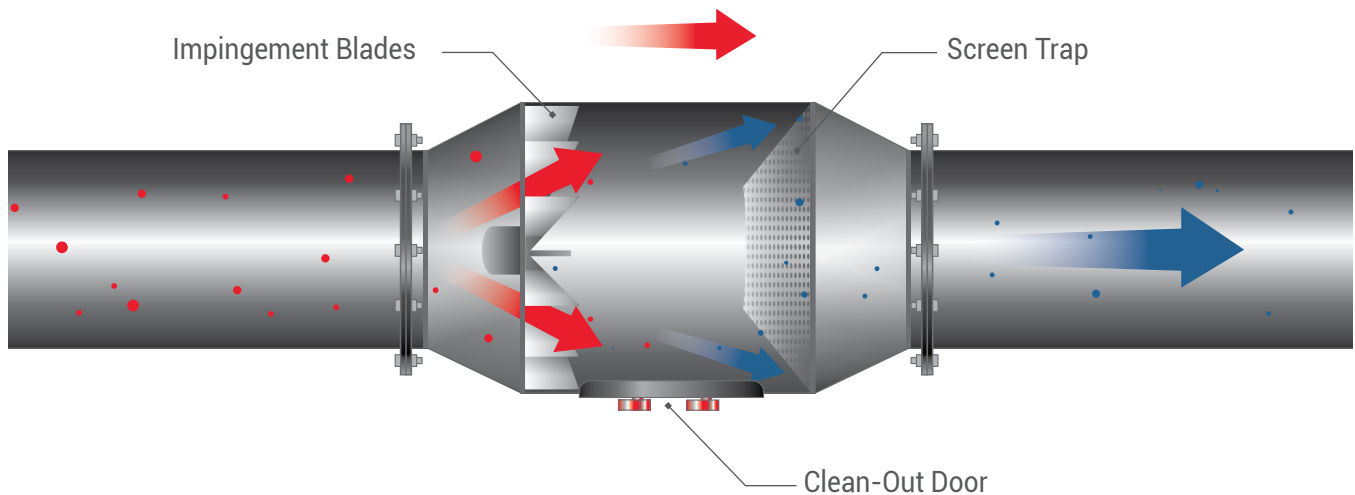
PRODUCT CODE : 51001

Raptor Shield (Spark Trap)

APPLICATIONS

The Raptor Shield™ (Spark Trap) was designed with maximum cooling technology that ensures maximum reduction in sparks or burning embers. This device has no moving parts for extremely low maintenance. The spark arrestor is designed to be directly connected to any typical duct connection.

The Raptor Shield™ (Spark Trap) is a critical part of fire prevention in a dust collection system. They help block sparks before they can start a fire. They are a very low-maintenance and highly effective method that helps block sparks from getting past.



CERTIFICATIONS & STANDARDS

NFPA Compliant



STANDARD FEATURES

- Standard sizes : 6" -50" (more on request)
- Heavy duty construction
- Clean-out door
- No maintenance
- Can be installed in horizontal or vertical configuration
- Flanged ends



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APPLICATION AND GUIDELINES

LOCATION - One duct diameter between inlet of spark arrestor and spark source. There must be a minimum of **10 duct diameters** between the outlet of the spark arrestor and dust collector or separator.

FLOW - Best practice is using the spark arrestor in duct velocities greater than **400 fpm** but not exceeding **5000 fpm**.

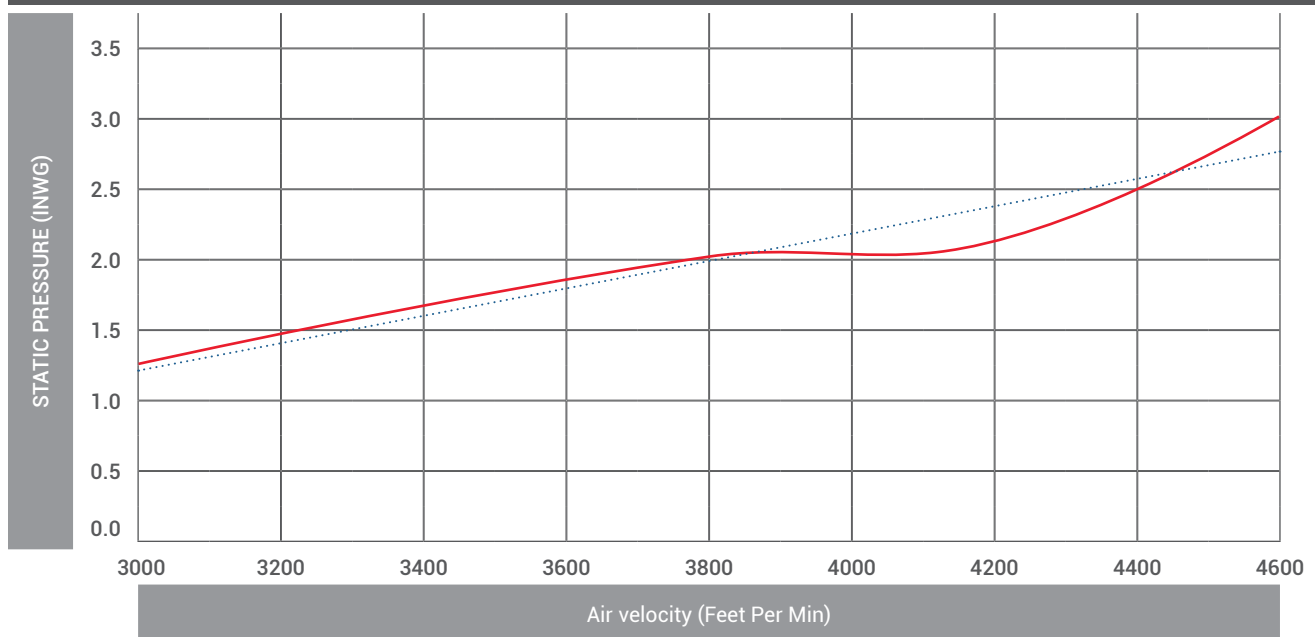
TEMPERATURE - Performance is dependent upon the conveying velocity being at lower temperature than the spark ember itself. Therefore, it should be used in operations with temperatures below ignition point of the suspended particulates and in no case higher than **200 degrees**.

PERFORMANCE

The Raptor Shield™ (Spark Trap) is designed and applied as a preventative measure to reduce lifecycle and rate of hazardous sparks within the properly

applied system. The Raptor Shield™ (Spark Trap) is not designed to extinguish actual fires or stop mitigation of explosion.

STATIC PRESSURE TEST RESULT



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