



PRODUCT CODE : 51001

Raptor Shield™ (Spark Trap)

APPLICATIONS

The **Raptor Shield (Spark Trap)** reduces the risk of fire in your industrial dust collection system. It is an NFPA recommended component as part of a complete fire prevention system.

The Raptor Shield is the toughest and most effective spark trap available. With no moving parts, the Raptor Shield is very low maintenance. A clean-out door allows easy access to empty any accumulated material. With fully welded construction, there's no risk of leaks. **It is the most heavy-duty and durable spark trap available.**

Added benefits of the **Raptor Shield (Spark Trap)** :

- *Easy to install in any system, in horizontal or vertical configuration*
- *Standard sizes 6" to 40" with other sizes to meet your needs*
- *Options for raw, flanged, or quick connect ends*



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CERTIFICATIONS & STANDARDS

NFPA Compliant



STANDARD FEATURES

- Standard sizes : 6" -40" (more on request)
- Heavy duty construction
- Clean-out door
- Low maintenance
- Can be installed in horizontal or vertical configuration



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OPERATING PRINCIPLE

A **Spark Trap** is designed to create turbulence in the airflow and direct sparks and embers toward the walls of the spark trap. Bouncing in the turbulent airflow causes the sparks to lose heat and energy so they can no longer ignite a fire. This simple but efficient method is so good at knocking down and removing sparks. It is used in ductwork for many types of dust especially metal cutting and grinding. Combustible dust handling requires a full fire safety system, and keeping sparks away from that dust is the first step.

No Spark Trap is guaranteed to stop all sparks. The Raptor Shield is an important part of a fire prevention system, but it should not be the only part. Our model meets all NFPA standards. We will take the time to help you decide what equipment will best meet your needs.

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.

