

Inline Spark Trap

Complementary fire prevention for a dust collection system



Incoming sparks extinguished, seen with viewing spoons on the Spark Trap

Installed in ducting as part of a dust collection system, the Inline Spark Trap greatly reduces the possibility of fire in cyclones / collectors by decreasing the number of sparks which could reach the cyclone or collector through the ductwork.

The spark trap's effectiveness is based on a simple principle - disrupting the laminar airflow to cause sparks to cool and extinguish before they can enter a cyclone / collector. There are no moving parts and no power is required for operation.

QuickFit (QF) clamptogether ducting eliminates rivets, screws, and welding, significantly reducing the time required to install or replace ducting. The Inline Spark Trap can quickly and easily be mounted into QuickFit ducting systems, or other duct systems with use of an adapter, and the trap can easily be removed for cleanout. Calibration or other assistance from a factory technician is not required.

It must be mounted in a horizontal position.

The duct distance recommended: At least ten diameters from cyclone / collector

Velocity: 8 m/s - 25 m/s

The Inline Spark Trap is not a replacement for spark detection or explosion isolation systems. It is a complementary device only.

- Simple, economical fire protection
- Quick, easy installation and cleanout

Product naam	Inline Spark Trap
Connection	QF
Toelichting van technische gegevens	Galvanised steel

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Naam voor Datasheet	Diameter (mm)	Length (m)	Gewicht (kg)	Thickness (mm)	Pressure drop (Pa)	Height (mm)	Model
	100	0,466	2,8	0,7	212 Pa at 15 m/s	180	8210001264*
	125	0,504	3,2	0,7	212 Pa at 15 m/s	224	8210001265*
	160	0,546	3,7	0,7	224 Pa at 15 m/s	280	8210001266*
	200	0,606	5	0,7	274 Pa at 15 m/s	350	8210001267*
	250	0,606	5,9	0,7	299 Pa at 15 m/s	400	8210001268*
	315	0,676	6,8	0,7	336 Pa at 15 m/s	500	8210001269*
	400	0,766	7,3	0,7	361 Pa at 15 m/s	630	8210001270*
	450	0,826	15	0,9	299 Pa at 15 m/s	710	8210001271*
	500	0,926	21	0,9	311 Pa at 15 m/s	810	8210001272*
	560	1,026	26	0,9	300 Pa at 15 m/s	920	8210001273*
	630	1,086	33	0,9	315 Pa at 15 m/s	1020	8210001274*
	710	1,150	39	0,9	320 Pa at 15 m/s	1150	8210001275*

*Galvanised steel