Nordfab
In-line Spark Trap

NORDFAB Ducting

Complementary Fire Prevention for Your Dust Collection System

Simple, Economical Fire Protection

Installed in ducting as part of a dust collection system, the Nordfab In-line 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.

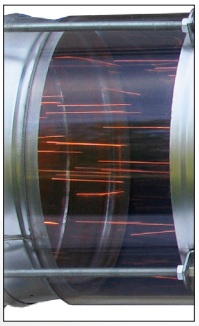
Quick, Easy Installation and Cleanout

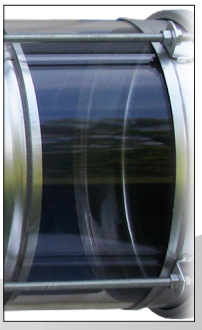
Quick-Fit clamp-together ducting eliminates rivets, screws, and welding, significantly reducing the time required to install or replace ducting. The Nordfab In-line Spark Trap can quickly and easily be mounted into Quick-Fit ducting systems, or other duct systems with use of a Nordfab adapter, and the trap can easily be removed for cleanout. Calibration or other assistance from a factory technician is not required

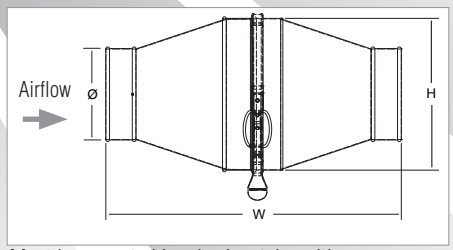
sparks visible in airstream entering trap (closeup below)

Nordfab In-line Spark Trap (shown with viewing spools on either side)

airstream exiting trap (closeup below)







Must be mounted in a horizontal position.

NOTE: The Nordfab In-line Spark Trap is not a replacement for spark detection or explosion isolation systems. Complementary device only.

Ø mm	Part no. Galvanised Steel / SS	Pressure loss in Pa at 15 m / s.	Height mm	Width mm	Weight kg
100	8210001264 / 8210001252	212	180	466	2.8
125	8210001265 / 8210001253	212	224	504	3.2
160	8210001266 / 8210001266	224	280	546	3.7
200	8210001267 / 8210001255	274	350	606	5.0
250	8210001268 / 8210001256	299	400	606	5.9
315	8210001269 / 8210001257	336	500	676	6.8
400	8210001270 / 8210001258	361	630	766	7.3
450	8210001271 / 8210001259	299	710	826	15
500	8210001272 / 8210001260	311	810	926	21
560	8210001273 / 8210001261	300	920	1026	26
630	8210001274 / 8210001262	315	1020	1086	33
710	8210001275 / 8210001263	320	1150	1186	39

Duct distance recommended: At least ten diameters from cyclone / collector
Velocity: 1500 - 5000 fpm (7.62m/sec - 25.4m/sec)

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