

# Nordfab In-line Spark Trap

| Ø<br>mm | W<br>mm | H<br>mm | Weight<br>kg |
|---------|---------|---------|--------------|
| 100     | 466     | 180     | 2.8          |
| 125     | 504     | 224     | 3.2          |
| 160     | 616     | 315     | 3.7          |
| 200     | 606     | 350     | 5.0          |
| 250     | 606     | 400     | 5.9          |
| 315     | 676     | 500     | 6.8          |
| 400     | 766     | 630     | 7.3          |
| 450     | 826     | 710     | 15           |
| 500     | 926     | 810     | 21           |
| 560     | 1026    | 920     | 26           |
| 630     | 1086    | 1020    | 33           |
| 710     | 1186    | 1150    | 39           |

**Notes:**

Spark Traps are sold only as a complete unit. For diameters 100 mm to 400 mm, this includes two sections and a clip attaching the sections. Diameter of both ends must be the same measurement (i.e. if diameter of airflow side is 100mm, diameter of downstream side must also be 100mm.) For diameters 450 mm to 710 mm, there are two sections attached via standing seam.

IMPORTANT: Spark trap must be mounted in a horizontal position.

The Nordfab In-line Spark Trap is a simple, low-cost tool that can reduce incidents of fire events, reducing costs and disruption and improving safety. System redundancy and complementary measures should be applied. It is not a primary safety device and does not replace spark detection or explosion isolation devices.

**Duct distance recommended**

At least ten diameters from cyclone / collector

**Airflow velocity**

1500 - 5000 fpm (7.62m/sec - 25.4m/sec)



**Not an explosion  
isolation device\***

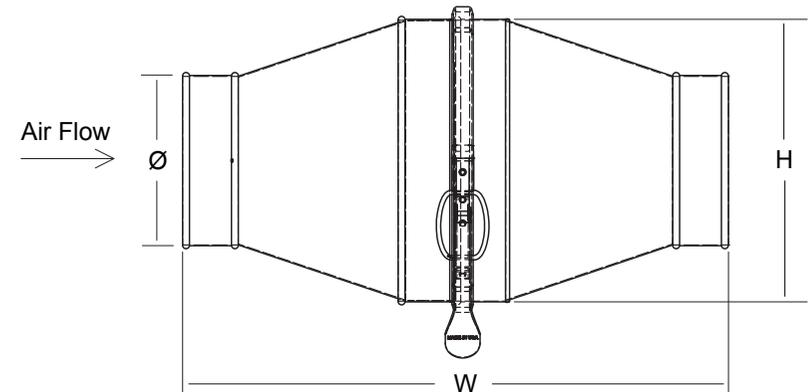
| Temperature Rating of Product Components |                  |                              |
|--|------------------|------------------------------|
| ° C                                      | Spark Trap       | Sealants                     |
| -20°                                     | Galvanised Steel | Joka Seal Metal Sealant 2315 |
| 121°                                     |                  |                              |
| 260°                                     |                  |                              |

**Additional Notes**

At temperatures ranging between 200° C and 250° C, the zinc-iron alloy layers in galvanised steel will continue to provide a high level of protection from corrosion. However, there may be some peeling, changes in mechanical properties, and reduction in the corrosion protection. Recommended max. service temperature is 200° C.

| Compliance / Rating of Product Components |               |                          |
|---|---------------|--------------------------|
| Product                                   | Material      | Compliance / Rating      |
| Spark Trap                                | Galvanised    | DX51D with Z275 Coating  |
| Joka Seal Metal Sealant 2315              | Acetone blend | AAMA Specification 801.1 |

| Ø<br>mm | Pressure drop at<br>15 m / s. 212 Pa |
|---------|--------------------------------------|
| 100     | 212                                  |
| 125     | 212                                  |
| 160     | 224                                  |
| 200     | 274                                  |
| 250     | 299                                  |
| 315     | 336                                  |
| 400     | 361                                  |
| 450     | 299                                  |
| 500     | 311                                  |
| 560     | 300                                  |
| 630     | 315                                  |
| 710     | 320                                  |



**Ends**

Standard QF end can be changed to Raw ID (I/D), Raw OD (O/D), Hose Adapter (FX), Flat Bar Flange (FL), or 6mm turned out edge (FB).