PLYMIJVENT®

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SPARKSHIELD (metric)

CYCLONE SPARK ARRESTER

The SparkShield provides highly effective removal of sparks and cigarette butts. Besides, it is a very effective in-line pre-separator reducing dust load in the connected filter system.

The SparkShield is to be mounted in horizontal position. Its divisible housing enables maintenance without duct disassembly.

The SparkShield comes with a dustbin of 13 and 27 litres. The distance between the spark arrester and dustbin can be enlarged by a duct of \emptyset 200 mm.



APPLICATIONS

The SparkShield is part of Plymovent's SHIELD fire safety solutions and recommended to be used in applications with a high fire risk, such as:



- robotic welding of oily stamped products
- robotic and automatic welding of oily products
- manual welding of oily products
- · cutting tables
- · schools and other areas with risk of cigarette butts

SPECIFICATIONS

■ Physical dimensions and properties				
Material: • inlet + outlet • SparkTwist • dustbin • hose	 powder-coated steel galvanized steel tin glassfibre/kevlar/metal 			
Colour: • inlet • outlet • dustbin • hose	• grey RAL 7011 • grey RAL 7035 • natural • grey/black			

■ Product combinations

Refer to the application data sheet about *SHIELD fire* safety solutions of Plymovent for recommended product combinations

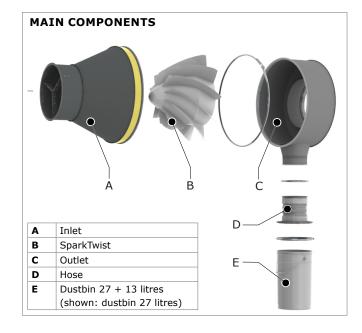
As separate spark arrester in the extraction duct of central filter systems $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left$

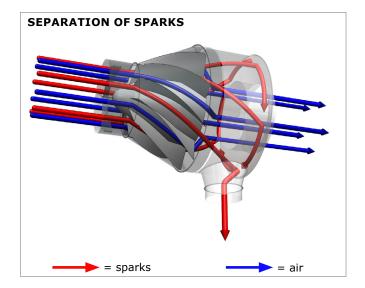
■ Scope of supply

Spark arrester, consisting of inlet with SparkTwist and outlet, connected by duct clamp - Dustbin 13 litres + 27 litres - Dustbin cover incl. connection flange + hose - Duct connection material

Logistics data					
Harmonized Tariff Code	84213925				
Country of origin	Netherlands				

For more detailed specifications: refer to the table on page 2



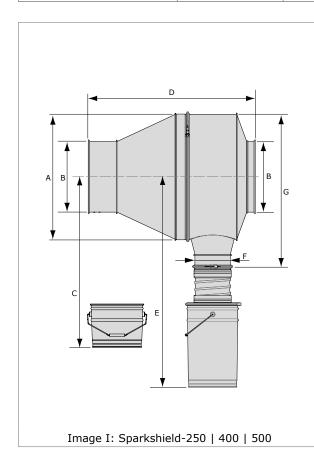


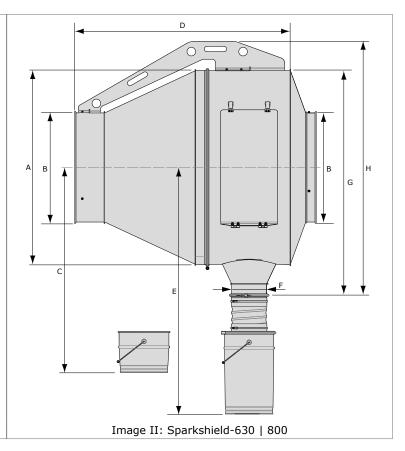


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Table:

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specifications per type	SparkShield-250	SparkShield-400	SparkShield-500	SparkShield-630	SparkShield-800
	Refer to image I			Refer to image II	
Physical dimensions and property in the pro	properties				
A	Ø 500 mm	Ø 710 mm	Ø 900 mm	Ø 1125 mm	Ø 1250 mm
В	Ø 250 mm	Ø 400 mm	Ø 500 mm	Ø 630 mm	Ø 800 mm
С	min. 825 mm	min. 970 mm	min. 1095 mm	min. 1200 mm	min. 1246 mm
D	778 mm	943 mm	1159 mm	1400 mm	
E	min. 1050 mm	min. 1200 mm	min. 1325 mm	min. 1420 mm	min. 1466 mm
F	Ø 200 mm	Ø 200 mm	Ø 200 mm	Ø 200 mm	Ø 200 mm
G	616 mm	866 mm	1086 mm	1300 mm	1407 mm
Н	n/a	n/a	n/a	1470 mm	1570 mm
Inspection & service hatch (2)	n/a	n/a	n/a	330 x 675 mm	330 x 675 mm
Weight (net)					
• total	• 29 kg	• 50 kg	• 56 kg	• 112 kg	
 spark arrester only 	• 25 kg	• 46 kg	• 52 kg	• 118 kg	
Appropriate duct diameter	Ø 250 mm	Ø 400 mm	Ø 500 mm	Ø 630 mm	Ø 800 mm
Options and accessories					
Inspection hatch for: • vertical duct • horizontal duct	• IH-200/8 • IH-250/10 (2x)	• IH-200/8 • IH-400/16 (2x)	• IH-200/8 • IH-500/20 (2x)	• IH-200/8 • IH-630/24 (2x)	• IH-200/8
Shut-off valve for vertical duct	MD-200	MD-200	MD-200	MD-200	MD-200
Industrial detergent	EFC	EFC	EFC	EFC	EFC
Order information					
Article number	9760001010	9760001020	9760001030	0000111948	0000112554
Logistics data					
Gross weight • excl. pallet	• 31 kg	• 53 kg	• 62 kg	• 150 kg	
• incl. pallet	• 40 kg	• 66 kg	• 87 kg	• 168 kg	
Packing dimensions	80 x 60 x 80 cm	120 x 80 x 100 cm	120 x 100 x 120 cm		



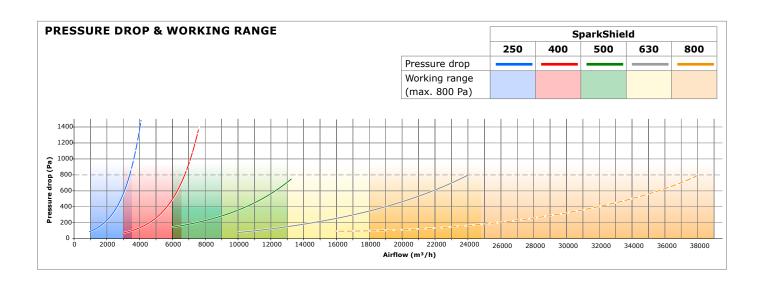




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PATENT	United States Patent and
	Trademark Office (2017)

The installation of any product(s) not included in the initial design of an extraction system could add additional static pressure to the overall system design. By doing so, the result may be a reduction of airflow at the extraction point.

Product type SparkShield (metric)
Article no. refer to order information
Product category SHIELD fire safety solutions
Version 120819/H

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