

SPARKTRAP

ALL SPARK TRAPS AREN'T CREATED EQUAL!

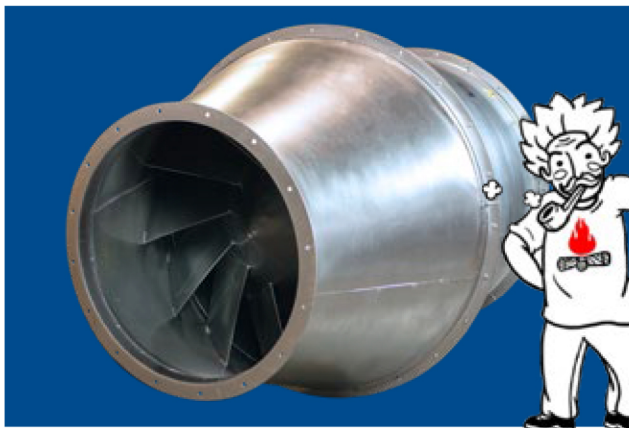
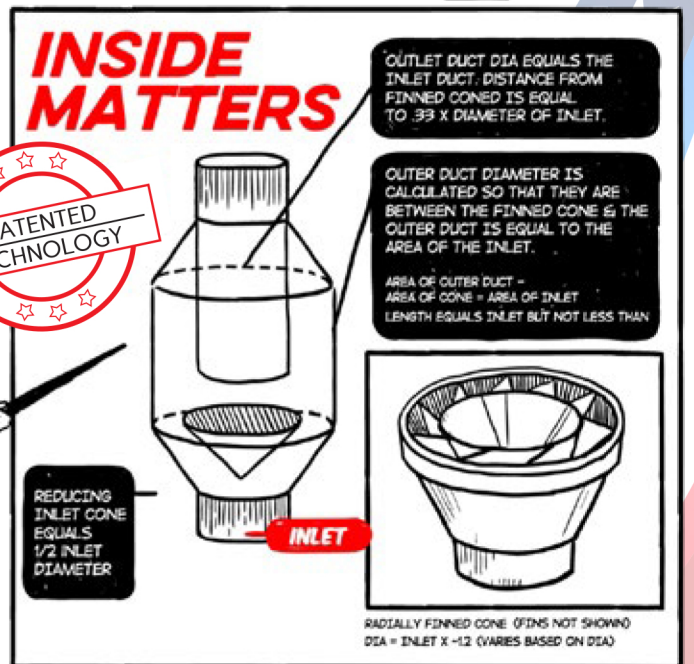
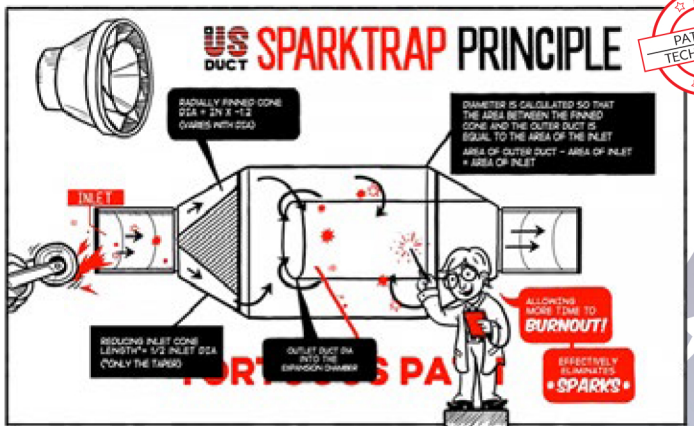
Patent Number 10,119,443



Looking inside, the problem with most spark traps is they simply swirl the air. Well, that isn't a problem anymore with US Duct's new spark trap. Its patented technology "tumbles" the ember through a "Tortuous Path" forcing contact with more oxygen, and allowing more time for the spark to burn out.

Because of the custom cone and the outlet inset design, our spark trap effectively eliminates sparks before they can exit the trap and thus, it can be installed right at the dust collector, adding convenience and eliminating distance requirements!

While a lot of spark traps may look the same on the outside, it's what's on the inside that counts. Know the difference and get the real Spark Trap from US Duct!





SPARK TRAP

In modern industrial plants where welding, grinding, machining, or other processes produce potentially combustible dust, mist, or fume, maintaining a clean and safe work environment becomes a top priority. Assessing and addressing the fire risks in your facility should be part of your hazard analysis and prevention plan.

PREVENTION

In-line spark abatement devices would be located within the air intake duct. One type of device creates turbulence in the air stream that cools and arrests most sparks without the use of water or chemicals. US Duct's Spark Trap does all the extinguishing in the chamber because we tumble the air, requiring it to reverse on itself twice.

The extreme turbulence (what we call a tortuous path) and the time in which the spark is held in the turbulence accounts for the effectiveness of the unit. This optional equipment may be worth considering as part of your fire risk mitigation strategy.

US DUCT'S SPARK TRAP

- Uses a finned cone to create a swirling chamber to extinguish the spark before allowing it to pass through the spark trap
- .8"SP when velocity is sized for 3200fpm
- Can be ran at higher velocities but static pressure will increase
- Can be installed horizontally or vertically
- Hinged access door for easy cleaning
- Optional dropout kit for heavy-loading applications
- No minimum or maximum distance for install. Can be installed anywhere in the system

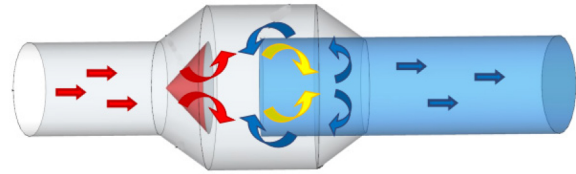


Other spark reduction options may require a minimum distance from the collector, making it difficult to add a spark trap to an existing system and requiring multiple traps or extinguishing points.

US DUCT'S SPARK TRAP



Because of the custom cone and the outlet inset design, US Duct's spark trap effectively eliminates sparks before they can exit the trap and thus, it can be installed right at the dust collector, adding convenience and eliminating distance requirements!



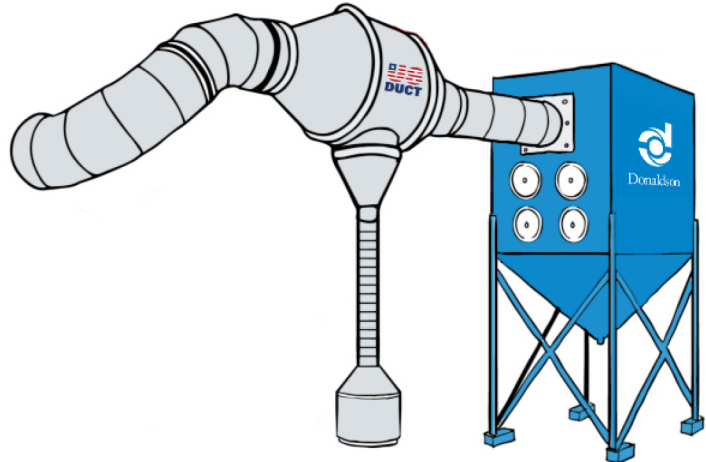
SPARK TRAP DIMENSIONS

Inlet	D1	4	5	6	7	8	9	10	12	14	16	18	20	22	24
Length of cones	L1	8.5	9.5	10.5	11.5	12.5	13.5	14.5	16.5	18.5	20.5	22.5	24.5	26.5	28.5
OD of mid section	D2	8	9	11	12	14	16	18	22	25	29	33	36	40	44
Over all Length	L2	28	30	32	34	37	40.5	44	51	58	65	72	79	86	93
Drop-Out	A	4	5	6	7	8	9	10	12	14	16	18	20	22	24
Drop-Out	B	8	8	8	8	8	8	8	8	14	14	14	14	14	14
Drop-Out *see note	C	4	4	4	4	4	4	4	4	6	6	6	6	6	6
Inlet	D1	26	28	30	32	34	36	38	40	42	44	46	48	50	
Length of cones	L1	30.5	32.5	34.5	36.5	38.5	40.5	42.5	44.5	46.5	48.5	50.5	52.5	54.5	
OD of mid section	D2	46	50	54	58	62	66	70	72	76	80	84	88	92	
Over all Length	L2	10	107	114	121	128	135	142	149	156	163	170	177	184	
Drop-Out	A	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Drop-Out	B	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Drop-Out *see note	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Dimensions are subject to change as testing or fabrication dictates.

WHAT IT DOES:

- Proven spark mitigation
- Greatly reduced damage to filter media
- Minimal pressure drop
- Zero footprint/space requirement
- Easy installation: no factory tech or calibration required
- Works in a vertical or horizontal position
- No secondary dust accumulation point
- No distance installation requirements (can be placed at the collector)



Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.



Environmental Solutions is an authorized US Duct dealer, and an authorized dealer and service center for Donaldson Torit. We offer expert installation of The Real Spark Trap from US Duct. For more information or a quote, visit us online at DustCollectionPros.com or call us toll free at (866) 438-7891.

DustCollectionPros.com
Environmental Solutions

12427 Fire Island Drive
 Loves Park, IL 61111
 Phone: (847) 370-9304