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Camfil's Stinger Isolation Valve for Dust and Fume

Divided into four units, Camfil specializes in HVAC and filter technology, molecular contamination control, gas turbines and dust, mist and fume collection. Camfil Air Pollution Control focuses on our dust, mist and fume collection industry. This industry is heavily regulated all over the world, with especially stringent regulations for combustible dusts. In order to protect the manufacturing processes and its workers where the dust is created, Camfil offers the Stinger explosion isolation valve.

The flow-activated valve prevents an explosion and burning debris from traveling back through the collector's inlet pipe and into the workspace. The Stinger has been thoroughly tested and designed to meet National Fire

Protection Association (NFPA USA) and EN 16447 (Europe) standards for a range of applications and dust types.

“What makes the Stinger so unique is the lightweight composite blade that saves energy and reacts faster than heavier steel blades in the event of an explosion,” Graeme Bell, VP of Camfil APC Americas, said. “Also, these blades are easy to replace, and the front side is covered with abrasion-resistant rubber sheeting to protect it from wear.”

The passive flow activated design requires less maintenance, and the lightweight flap reduces pressure loss and energy costs. The Stinger is manufactured using an all welded steel construction to aid in withstanding the pressures seen during a deflagration. Lastly, a self adjusting lock, easy access inspection door and optional valve activation sensor create a seamless maintenance opportunity.

The Stinger was rereleased at the beginning of 2018 in the USA with patents pending on Camfil APC’s composite flap design. The composite flap is low in weight with a three millimetre wear resistant, antistatic liner. It is easy to replace and absorbs explosion impact forces aiding in its speed to closure during an event.

Currently, the Stinger is being sold in the USA, Canada and Mexico with plans for European distribution within the next year. To find out more about the Stinger, watch the accompanying promotional video or visit camfilapc.com/products/accessories/stinger/

For more than half a century, Camfil has been helping people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimize energy use, and benefit human health and the environment. We firmly believe that the best solutions for our customers are the best solutions for our planet, too. That’s why every step of the way – from design to delivery and across the product life cycle – we consider the impact of what we do on people and on the world around us. Through a fresh approach to problem-solving, innovative design, precise process control and a strong customer focus we aim to conserve more, use less and find better ways – so we can all breathe easier.

The Camfil Group is headquartered in Stockholm, Sweden, and has 28 manufacturing sites, six R&D centres, local sales offices in 26 countries, and 4,180 employees and growing. We proudly serve and support customers in a wide variety of industries and in communities across the world. To discover how Camfil can help you to protect people, processes and the environment, visit us at www.camfil.com.

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