

SMC unveils vacuum filter to remove both dust and water droplets

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A pioneering vacuum filter, designed to remove both dust and water droplets has been launched by worldwide leading experts in pneumatics and industrial automation, SMC Pneumatics. Amongst its many unique selling points, the flexible and versatile AFJ vacuum filter is simple to maintain with interchangeable spare parts to aid considerable cost savings.

Operating under high flow rate conditions, achieving up to 660 l/min for the dust type and 500 l/min for the water drop removal/ dust type, this ground-breaking vacuum filter eliminates dust and water droplets, offering equipment operators complete peace of mind.

Visibility is key with the AFJ thanks to its transparent polycarbonate double layer bowl design, making it possible for operators to check the filter element condition from every angle. Further visibility is achieved with an adapted convex body which also features a useful bowl lock button, allowing for quick in-hand maintenance and the easy replacement of the element.

According to Brian Abbott, SMC Pneumatics Product Manager, the AFJ once again showcases SMC's innovative design skills, saying: "SMC is always seeking ways to minimise maintenance and costs for our customers whilst continuously improving our products. The AFJ fulfils these objectives and we believe that it's a much-anticipated addition to our vacuum filter range."

Featuring a range of selectable nominal filtration ratings of 5µm, 40µm and 80µm, the higher two-rated filter elements within the AFJ are washable and reusable. Customers benefit from further savings as the filters used within the vacuum absorption system helps to extend the life of the system's other components, while the external bowl guard provides environmental resistance against chemicals and other corrosive substances, for increased lifespan.

"The AFJ is available in several body and port sizes with selectable left or right flow direction for ease of use and maintenance, and increased flexibility" concludes Abbott.