

## Press Release from the Industrial Air Division

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### **Atlas Copco UD+ single cartridge in-line filter – a masterstroke in filtration technology**

Encompassing the ingenious 2-in-1 nautilus concept, Atlas Copco's advanced UD+ filter technology delivers a 40% lower pressure drop, removes contamination in compressed air down to 0.01 ppm, reduces maintenance costs and brings numerous green benefits.

The Atlas Copco engineered and developed patent-pending UD+ single cartridge in-line filter replaces the traditional two-filter solution commonly used in oil-injected compressor applications to achieve suitable quality compressed air by decontaminating compressed air lines through the removal of concentrations of water, dust and oil (in the case of oil-injected compressors).

*"In our two-filter solution, the Atlas Copco general-purpose coalescing DD filter removes liquid water and oil aerosols from the air down to 0.1 mg/m<sup>3</sup> (0.1 ppm) and particles down to 1.0 µm,"* notes Wayne Jacobs, Business Line Manager of Atlas Copco's Industrial Air Division. Elaborating further, Jacobs explains that in order to achieve higher levels of quality, the air must be passed through Atlas Copco's high-efficiency coalescing PD filter as well.

*"But this is no longer the case thanks to the innovative design of our UD+ single filter which combines maximum contaminant removal efficiency with minimum pressure drop, minimising energy losses usually associated with compressed air filtration."*

Through the incorporation of Nautilus technology the air is allowed to move through spiral pathways; the more open glass fibre type filter media is wrapped around itself creating a significantly larger filtration area. As a result of this innovative technology the filter clogs more slowly which reduces the pressure drop by 40% while retaining filtration efficiency.

Atlas Copco achieved this combination technology without having to increase the size of the filter housing. *"The UD+ single filter is a masterstroke in filtration technology that redefines filtration standards for compressed air lines, providing the perfect universal filtration solution for any reticulation line,"* concludes Jacobs.

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**Atlas Copco Group** Great ideas accelerate innovation. At Atlas Copco we have been turning industrial ideas into business-critical benefits since 1873. By listening to our customers and knowing their needs, we deliver value and innovate with the future in mind.

Atlas Copco is based in Stockholm, Sweden with customers in more than 180 countries and about 37 000 employees. Revenues of BSEK 95/9 BEUR in 2018.

For more information: [www.atlascopcogroup.com](http://www.atlascopcogroup.com)

**Atlas Copco's Compressor Technique business area** provides industrial compressors, vacuum solutions, gas and process compressors and expanders, air and gas treatment equipment and air management systems. The business area has a global service network and innovates for sustainable productivity in the manufacturing, oil and gas, and process industries. Principal product development and manufacturing units are located in Belgium, Germany, the United States, China and India.

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