

FD: Refrigerant air dryers, 6-4000 l/s, 13-8480 cfm.


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The compressed air you use must be clean and dry. Moisture can cause corrosion in pipe work, premature failure of pneumatic equipment, or product spoilage. Based on direct expansion technology with cycling, non-cycling and Variable Speed variants, Atlas Copco's FD dryers remove moisture from compressed air with a dewpoint as low as +3°C/+37.4°F. They are highly energy-efficient, easy to install, and among the most environmentally friendly and quietest in their class. Most importantly, they deliver dry air to protect your air system and finished products.

Customer benefits

High reliability – Atlas Copco's FD refrigerant dryers eliminate system failures, production downtime and costly repairs by removing moisture from compressed air with a pressure dewpoint as low as +3°C/+37.4°F. Separate components undergo severe endurance tests while the unique design of the heat exchanger significantly improves dryer lifetime. Advanced control functions ensure dry air at all conditions and prevent freezing at low loads.

Maximum energy savings – Atlas Copco's refrigerant dryers incorporate energy-saving features that cut your carbon footprint. Incorporating unique heat exchanger technology and Saver Cycle Control, the FD ensures a low pressure drop of typically below 0.2 bar/2.9 psi and minimal energy consumption. Integrated Variable Speed Drive (VSD) technology variants offer even further energy savings by automatically tuning the energy input to the precise demand. The FD offers an extremely low total cost of ownership.

Easy installation – FD dryers have a small footprint thanks to an innovative all-in-one design. Delivered ready for use, installation is straightforward, minimizing costly production downtime. On some models, in- and outlet connections are positioned on top of the unit, enabling installation against a wall.

Environmentally friendly – Enclosed in a sound suppression canopy to reduce noise levels, FD dryers stand out by being among the most environmentally friendly and quietest in their class. They fully comply with ISO 14001 standards and Montreal Protocol regulations, and use CFC-free refrigerants to prevent any damage to the earth's ozone layer. FD dryers have an ozone depletion potential of zero.

Brochure FD (1548kB, Pdf document) - [Download](#)

Technical data

Units: [Metric](#) [Imperial](#)

Technical Specifications	
Capacity FAD (l/s)	6 - 4000 l/s
Capacity FAD (m³/h, cfm)	13 - 8480 cfm
Working pressure	189 - 203 psig

Total customer care

Your bottom line, maximum availability of our equipment at minimum total operating cost, is the top priority for all of us at Atlas Copco. Our way of achieving that builds on interaction, on long-term relationships and involvement in your processes, needs and objectives. Our organization and people are committed to the maximum operational availability and efficiency of your compressed air network. Total customer care is our goal at any level of service interaction with you; from standardized genuine parts over tailor-made service plans to remote monitoring and optimization. We want you to see Atlas Copco as a real performance partner that can contribute to the productivity of your processes. The best way of taking care of your interest is by taking the best care of your equipment.

Save energy

With their detailed and extensive knowledge of compressed air, our energy and air consultant engineers will be able to determine an acceptable operating balance, that is both within the capabilities of your compressors and also adequate to satisfy your production with minimized operational running costs.

[Read more about Save energy](#)

Monitor your products



Keeping an eye on your equipment at all times is the best way for Atlas Copco to prevent production loss due to a breakdown. This inside view on your operation allows us to plan for maintenance pro-actively.

[Read more about Monitoring](#)

Customer support plans

What you need is a solution to keep your production optimal at all time and preferably at the lowest operating cost. Our specialized advisors will visit your production facilities and assess your specific needs. This allows us to propose the most cost effective Customer Support Plan for your maintenance needs.

[Read more about Support Plans](#)

Upgrade your product

Our upgrade kits are the result of continuous engineering work to make the latest technology available for your existing equipment range. This will inevitably improve the key performance features such as energy consumption and reliability. Intelligent use and the sustained health of core parts are the basic requirements for the lifelong optimum availability of your equipment.

[Read more about Product upgrades](#)

Genuine parts

Because Atlas Copco genuine parts are built according to the same quality standards as your compressor, you are guaranteed that your production, even after servicing your compressor, will remain at the same high level.

[Read more about Genuine parts](#)

Product views



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