REFRIGERANT AIR DRYERS

FX 1-21
FXHT 1-5
AIR TREATMENT: A CRUCIAL INVESTMENT

WHY YOU NEED QUALITY AIR
Compressed air contains oil, solid particles and water vapor. Together, they form an abrasive, often acidic, oily sludge. Without air treatment, this murky mix will enter the compressed air system, corroding pipe work, damaging pneumatic tools and potentially compromising final products.

THE COST OF POOR AIR QUALITY
Untreated compressed air can cause substantial problems and costs:

• Your air tools have less power, more failures and, ultimately, a shorter lifetime.
• Materials and products that come into contact with untreated air run the risk of contamination or damage.
• Compressed air pipe work will corrode, leading to leaks. For example, a small 1/8 inch leak causes a 3.7 kW per year loss. That means a waste of an estimated $2000.

ATLAS COPCO QUALITY AIR: THE SMART CHOICE

ATLAS COPCO FX: DEPENDABLE DRY AIR
To avoid condensation, compressed air must be dried. The Atlas Copco FX refrigerant dryer is a reliable, cost-effective and easy to use solution. Available in 22 sizes (14-2516 cfm), the FX offers a pressure dew point as low as +37.4 °F for a wide range of applications and industries. The dryer can be used at different pressures and consumes hardly any processed compressed air.

A COMPLETE QUALITY AIR SYSTEM
Atlas Copco offers complete quality air systems that provide the clean, dry air that supports your operational needs.

FX: THE BENEFITS ADD UP
• Strong performance
• Pressure dew point display
• Straightforward reliability
• Easy installation
• Minimal maintenance
• Significant cost savings

A NAME YOU CAN TRUST
For more than 100 years, industry has turned to Atlas Copco for the best compressors in the business. Our commitment to your operational objectives doesn’t end with compressors. Atlas Copco air treatment equipment is developed and tested in-house to offer you quality air with accuracy, reliability and efficiency. Why compromise using third party add-ons? Extend the Atlas Copco peace of mind to your entire compressed air system.
FX REFRIGERANT DRYERS

PRESSURE DEW POINT PRECISION
The FX comes in a wide range of sizes (14-2516 cfm) to offer a steady pressure dew point as low as +37.4 °F. Its easy to use digital display precision measures and monitors the pressure dew point and dryer performance.

NEW: DIGITAL DISPLAY
• Pressure dew point: exact measurement and visual monitoring
• Status: refrigerant compressor and fan
• Alarms: high/low pressure dew point and probe failure
• Service warning

RELIABLE
Built according to stringent Atlas Copco standards, the FX is made of high quality, generously sized components.

HOT ENVIRONMENTS
High ambient temperatures can put your equipment to the test. The FX range offers several high temperature models that ensure dependable performance in conditions up to 115 °F.

SIGNIFICANT COST SAVINGS
• Increased reliability and lifetime of tools and equipment
• Reduced pipe work leaks and thus a lower energy bill
• Less equipment breakdowns and operational interruptions
• Minimal chance of product damage as a result of moisture carryover

YOUR CHOICE: STANDALONE OR INTEGRATED
The FX comes as a standalone dryer and as part of the full feature version of many Atlas Copco compressors. Which one is best for you? It all depends on your requirements and priorities.

Separate dryer:
• Plug-and-play installation
• Single electrical connection
• All units pre-commissioned
• Self-regulating
• Pressure dew point display with high/low pressure dew point alarm and status of refrigerant, compressor and fan

Full feature:
• Saves space when footprint is a priority
• Compressor and air treatment components are designed, built and tested to work together to provide optimal quality air.

Compact design for a small footprint

Digital display: provides peace of mind through precise monitoring of pressure dew point

Single electrical connection: allows for plug-and-play installation

Hot gas bypass: ensures stable pressure dew point and eliminates the possibility of condensate freezing

Easy access to key components for straightforward servicing

Water separator: offers high efficiency for better pressure dew point

Refrigerant separator: no chance of moisture entering the compressed air system

Digital display: provides peace of mind through precise monitoring of pressure dew point

Compact design for a small footprint

Pressure dew point: exact measurement and visual monitoring

Status: refrigerant compressor and fan

Alarms: high/low pressure dew point and probe failure

Service warning

Reliable according to stringent Atlas Copco standards, the FX is made of high quality, generously sized components.

HOT ENVIRONMENTS
High ambient temperatures can put your equipment to the test. The FX range offers several high temperature models that ensure dependable performance in conditions up to 115 °F.

SIGNIFICANT COST SAVINGS
• Increased reliability and lifetime of tools and equipment
• Reduced pipe work leaks and thus a lower energy bill
• Less equipment breakdowns and operational interruptions
• Minimal chance of product damage as a result of moisture carryover

YOUR CHOICE: STANDALONE OR INTEGRATED
The FX comes as a standalone dryer and as part of the full feature version of many Atlas Copco compressors. Which one is best for you? It all depends on your requirements and priorities.

Separate dryer:
• Plug-and-play installation
• Single electrical connection
• All units pre-commissioned
• Self-regulating
• Pressure dew point display with high/low pressure dew point alarm and status of refrigerant, compressor and fan

Full feature:
• Saves space when footprint is a priority
• Compressor and air treatment components are designed, built and tested to work together to provide optimal quality air.
FXHT
HIGH INLET TEMPERATURE REFRIGERANT DRYERS

QUALITY AIR MADE EASY

PERFORMANCE
The FXHT dryer range is simple, yet robust and reliable. It is a range that relies on proven technology, solid components and uncomplicated design; these features combined deliver reliable performance at any flow — in almost every manufacturing application.

HIGH INLET TEMPERATURES
Designed to be used with the high outlet temperatures from piston compressors the integrated pre-cooler allows for 50°F outlet dewpoints even with inlet temperatures of up to 180°F.

NEW DIGITAL DISPLAY
• Functional display indicating unit operating status
• Status: refrigerant compressor and fan.
• Alarms: high/low pressure dew point and probe failure.
• Service warning.

FXHT REFRIGERANT DRYER RANGE 60 Hz

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet capacity</th>
<th>Pressure drop</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Compressed air connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX 1</td>
<td>14 14 19.5 1685+</td>
<td>1527+</td>
<td>36 28 19 232 16 115-230/1/60Hz 14 19.7 500 13.8 350 19.1 484 42 19 3/4&quot; NPT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 2</td>
<td>24 19 1310+</td>
<td>1236+</td>
<td>36 28 19 232 16 115-230/1/60Hz 14 19.7 500 13.8 350 19.1 484 42 19 3/4&quot; NPT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 3</td>
<td>35 16 899+</td>
<td>848+</td>
<td>36 28 19 232 16 115-230/1/60Hz 14 19.7 500 13.8 350 19.1 484 42 19 3/4&quot; NPT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 4</td>
<td>49 23 731+</td>
<td>636+</td>
<td>36 28 19 232 16 115-230/1/60Hz 14 19.7 500 13.8 350 19.1 484 42 19 3/4&quot; NPT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 5</td>
<td>74 35 57+</td>
<td>354+</td>
<td>36 28 19 232 16 115-230/1/60Hz 14 19.7 500 13.8 350 19.1 484 42 19 3/4&quot; NPT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 6</td>
<td>125 59 49+</td>
<td>354+</td>
<td>36 28 19 232 16 115-230/1/60Hz 14 19.7 500 13.8 350 19.1 484 42 19 3/4&quot; NPT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OPTIONAL FILTER SELECTION

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet capacity</th>
<th>Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX 1</td>
<td>26</td>
<td>LEO10+</td>
</tr>
<tr>
<td>FX 2</td>
<td>16</td>
<td>LEO10+</td>
</tr>
<tr>
<td>FX 3</td>
<td>10</td>
<td>LEO10+</td>
</tr>
<tr>
<td>FX 4</td>
<td>12</td>
<td>LEO10+</td>
</tr>
</tbody>
</table>

REFERENCE CONDITIONS

- Ambient temperature: 100 °C
- Inlet temperature: 140 °C
- Working pressure: 150 psi g

NOTES

- Refrigerant types: R134a for FX 1-5
- R404a for FX 17-21
- R410a for FX 13-16
- R404a for FX 6-12

LIMITATIONS

- Maximum ambient temperature: 110 °C
- Maximum inlet temperature: 125 °C

- 140 °F for FX 17-21
- 115 °F for FX 1-5

- 102 psi (g)
- 100 °F
- 1/2" THF

**140 °F for FX 17-21
**115 °F for FX 1-5

TECHNICAL SPECIFICATIONS 60 Hz

FX REFRIGERANT DRYER RANGE 60 Hz

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet capacity</th>
<th>Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX 1</td>
<td>14 14 19.5 1685+</td>
<td>1527+</td>
</tr>
<tr>
<td>FX 2</td>
<td>24 19 1310+</td>
<td>1236+</td>
</tr>
<tr>
<td>FX 3</td>
<td>35 16 899+</td>
<td>848+</td>
</tr>
<tr>
<td>FX 4</td>
<td>49 23 731+</td>
<td>636+</td>
</tr>
<tr>
<td>FX 5</td>
<td>74 35 57+</td>
<td>354+</td>
</tr>
<tr>
<td>FX 6</td>
<td>125 59 49+</td>
<td>354+</td>
</tr>
</tbody>
</table>

OPTIONAL FILTER SELECTION

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet capacity</th>
<th>Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX 1</td>
<td>26</td>
<td>LEO10+</td>
</tr>
<tr>
<td>FX 2</td>
<td>16</td>
<td>LEO10+</td>
</tr>
<tr>
<td>FX 3</td>
<td>10</td>
<td>LEO10+</td>
</tr>
<tr>
<td>FX 4</td>
<td>12</td>
<td>LEO10+</td>
</tr>
</tbody>
</table>

REFERENCE CONDITIONS

<table>
<thead>
<tr>
<th>Ambient temperature</th>
<th>100 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet temperature</td>
<td>140 °C</td>
</tr>
<tr>
<td>Working pressure</td>
<td>150 psi g</td>
</tr>
</tbody>
</table>

NOTES

- Refrigerant types: R134a for FX 1-5
- R404a for FX 17-21
Driven by innovation
We are celebrating 140 years of innovation and experience. Our mission is to continue to bring sustainable productivity through safer, cleaner, more energy efficient, cost-effective compressed air technology. As a result, every compressed air solution we create helps customers operate with greater efficiency, economy, and productivity.

Local interaction
Atlas Copco Compressors LLC is headquartered in Rock Hill, SC. We have major sales, manufacturing, production, and distribution facilities located in California, Illinois, Massachusetts, North Carolina, South Carolina, and Texas. We take the best possible care of our customers through regional customer centers and appointed distributors. Across all of our different business types and brands, we have over 116 locations and approximately 4,800 people in the U.S.

Committed to sustainability
We are among the top 100 sustainable companies in the world and a member of the Dow Jones World Sustainability Index. Atlas Copco has also been recognized by Forbes, Thomson-Reuters and Newsweek, among others, for our commitment to innovation and sustainability. All Atlas Copco Compressors facilities in the United States are triple certified to ISO 14001, ISO 9001 and OHSAS 18001, a set of standards to protect the environment, ensure product quality, and promote our employees’ health and occupational safety.

www.atlascopco.us
866-344-4887

COMMITTED TO SUSTAINABLE PRODUCTIVITY
We stand by our responsibilities towards our customers, towards the environment, and the people around us. We make performance stand the test of time. This is what we call – Sustainable Productivity.