



Harmful contaminants in your air lines harm your bottom line.

Air-line contaminants and moisture can cause:

- Pneumatic valve failure
- Unplanned shutdowns resulting in lost productivity and costly repairs
- Frozen air lines

The SKF Separator Filter Dryer

- Removes water, contamination and oil
- Eliminates refrigerant dryer energy costs
- Reduces maintenance “downstream” and on other critical equipment
- Out-performs refrigerant dryers in extreme hot and cold environments
- Frees up floor space with its wall-mounted, modular design

Applicable industries:

- CNC machines
- Cement
- Food/beverage
- Industrial coatings
- Paper
- Printing
- Sawmills
- General manufacturing

SKF® Separator Filter Dryer removes contaminants, protecting your equipment and your bottom line.

Moisture, oil and dirt hurt compressed air systems

From concrete plants to food processing, countless applications relying on compressed air systems will eventually develop water vapor, oil, or particulates in the air lines. These contaminants damage delicate pneumatic controls, shorten machine life, and reduce productivity. Moisture alone is the main cause of most pneumatic equipment failures.

Oil, water, or particulates in compressed air contribute to increased maintenance, higher operating costs, and lower productivity. Many plants have found options to control compressed air contamination are often unreliable, cost-prohibitive, or maintenance-intensive.

The SKF Separator Filter Dryer delivers clean, dry air supply

SKF® developed the ultimate solution for clean compressed air: the Separator Filter Dryer (SFD), an innovative, three-in-one dryer system that keeps compressed air free of water, contaminants, and oil.

Compact and easy to install, the SFD dries compressed air right from a compressor’s reservoir tank or at a point of use, eliminating the need for additional external filters.

The SFD dual-cartridge design channels air flow through one desiccant cartridge while the other regenerates, typically using less than 10% of air for regeneration.

The SFD eases maintenance, protects profits

Accessible valves, spin-on desiccant cartridges and a patented filtration system contribute to easy, cost-effective preventive maintenance. Reliable SKF air dryer technology is proven in harsh environments across many industries, including ours – SFD units currently operate in SKF production facilities worldwide.





SKF puts more ROI in your MRO

The SKF 360° Solution program embodies our goal to help you get more out of your plant machinery and equipment investment. This means lowering your maintenance costs, raising your productivity, or both! Here is an example of the SKF 360° Solution program at work courtesy of the SKF Separator Filter Dryer.

SFD system helps frozen treat maker cut costs, repairs and downtime

An Illinois-based frozen custard and ice cream manufacturer experienced recurring refrigerant dryer problems. Contaminants frequently got into the system, ultimately resulting in poor compressed air quality. Pneumatic valves failed monthly and breakdowns were common. Looking to extend MTBF (Mean Time Between Failure) and boost productivity, the company looked to SKF.



As a replacement for the troublesome and costly refrigerant dryer, SKF suggested implementing the SFD (Separator Filter Dryer) system. Well suited for below-freezing applications, the refrigerant-free SFD can achieve negative pressure dew points.

Almost overnight, SFD began making a difference in energy consumption and equipment failures. Over the course of a year, the SFD system slashed unplanned downtime by 20 hours, and related repairs and maintenance by 25 hours, for a savings of \$12,550.

Even more impressive was the \$34,300 worth of increased production availability that the system allowed. After subtracting initial investment and install costs, total value added up to \$44,434, with an ROI of 1,587%!



SKF 360° Solution ROI calculations are from the SKF Documented Solutions Program. Ask your SKF Authorized Distributor for more details.



Return on Investment (ROI) summary

Service period.....	12 months
Reduced maintenance and repairs.....	\$12,550
Reduced power consumption	\$384
Increased production availability	\$34,300
Total savings.....	\$47,234
Solution investment and installation	- \$2,800
Total solution value	\$44,434
ROI.....	1,587%

*All numbers are rounded and based on customer's estimates of labor and production costs.

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