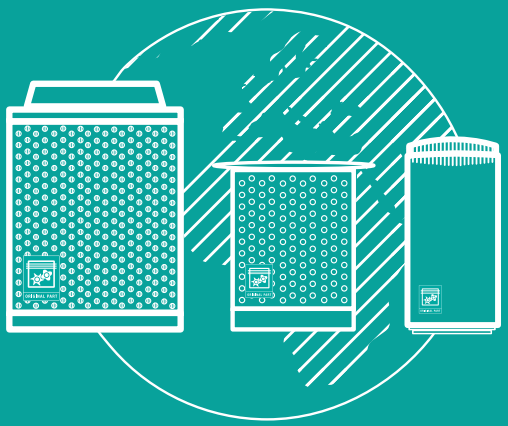
PARTS & KITS

FOR OIL-INJECTED SCREW COMPRESSORS

ORIGINAL QUALITY AND PERFORMANCE



ORIGINAL PART



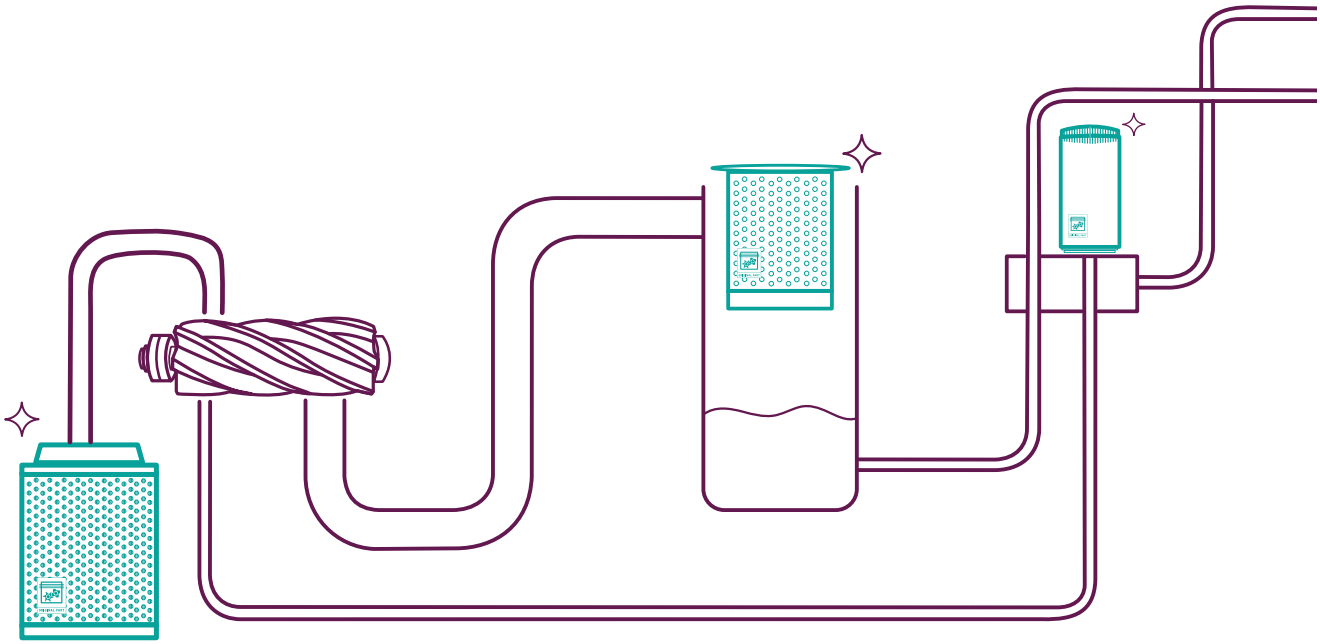
Why original parts matter...

SYSTEM INTEGRITY

When you purchase a compressor of a trusted brand, it has original parts built in that ensure the energy efficiency, reliability and performance you expect.

So when the time comes to service your compressor, do you really want to use spare parts that weren't designed for your machine? They are likely to interfere with the specifications of your compressor, undermining its performance. They may cause breakdowns and decrease the lifetime of the equipment, putting your investment at risk.

Original air and oil filters, oil separators and service kits keep your compressor running as it should. By ensuring high uptime and energy efficiency, long service intervals and extended equipment lifetime, they reduce your Total Cost of Ownership.



Air filters

TINY PARTICLES WITH A BIG IMPACT

Dust and other pollutants may be microscopically small, but they are the biggest cause of premature element failure. The air filter is the only thing that keeps these contaminants from entering your compressor.

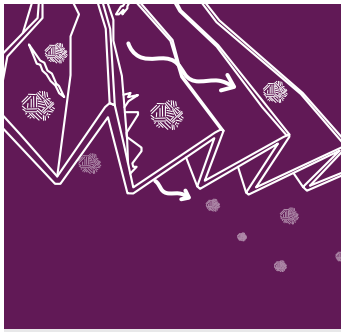


THE RISK OF USING GENERIC AIR FILTERS

Generic air filters are designed to fit in a multitude of equipment, compromising on material choice, efficiency and strength.

Even though filters may look similar on the outside, the real difference lies within. Low-quality filter material may cause higher pressure drops, increasing the energy cost of your compressor. Or it may be ineffective in stopping particles from entering the compressor element. This can lead to blocking of the element, clogging and damaging other components.

Relying on generic air filters is a risky business that may result in compressor failure, unplanned downtime and reduced lifetime.



Problem

Dust particles enter the compressor

Cause

- Poor quality filter material
- Poor seal design/quality

Impact

- Increased wear of components
- Shorter service life
- Risk of breakdowns
- Reduced equipment lifetime



Problem

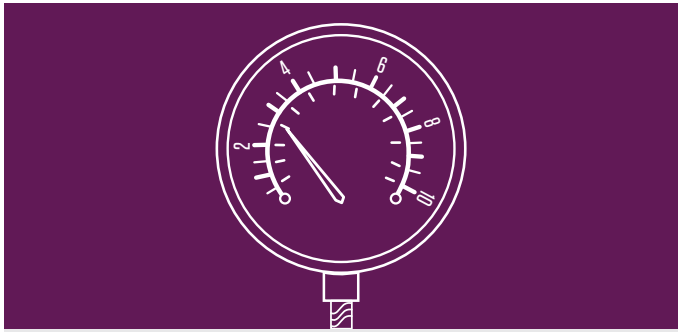
Shorter lifetime of filter

Cause

- Insufficient filter material surface

Impact

- Filter clogging
- Shorter service intervals
- More downtime



Problem

Excessive pressure drop

Cause

- High flow resistance due to poor quality filter material
- Poor filter design

Impact

- High energy cost

WHY ORIGINAL AIR FILTERS ARE BETTER

Original air filters are built for the specific operating conditions of your compressor, protecting your equipment while maintaining high energy efficiency.

The large surface area of the filter material prevents it from clogging and shortening the service interval. When it absorbs water, its pore size and filtration efficiency remain intact.

Choosing original air filters will result in significant long-term savings, far outweighing the minor cost reduction of buying inferior generic parts.

Feature

- Efficient filtration thanks to high quality filter material
- Efficient sealing

Benefit

- Reliable operation
- Long service life
- Long equipment lifetime

Feature

- Designed for your equipment
- Capable to withstand compressor working conditions

Benefit

- System integrity
- Long service life

Feature

- Minimal pressure drop thanks to optimized flow design

Benefit

- Lower energy cost

Original Part filters have a high extraction probability for 1 µm particles. For particles larger than 3 µm there is a virtual extraction guarantee.

An additional pressure drop of 25 mbar at the air filter will reduce the compressor air output with 2%. This can lead to an extra energy cost equaling 5% of the price of your compressor on a yearly basis.

FACT: a filter with an extraction efficiency of 99.8% transfers twice as much dust as one with an extraction efficiency of 99.9%.

Oil separators

SMOOTH SEPARATION

Removing the oil from the compressed air is a vital part of the compression process, ensuring air quality and reliable operation.



THE RISK OF USING GENERIC OIL SEPARATORS

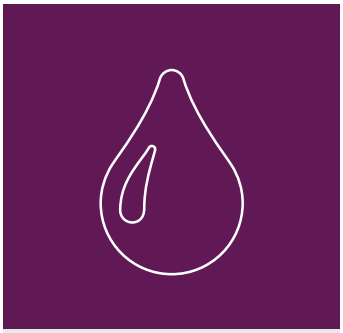
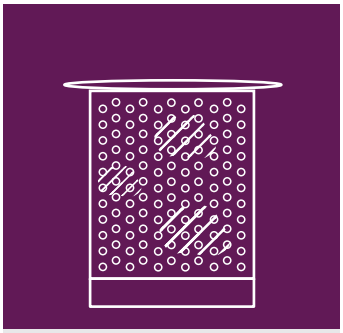
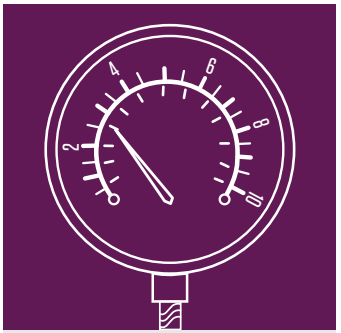
A generic oil separator was developed with broad specifications allowing it to fit in different types of equipment. Installed in your compressor, it may cause various problems.

As it is not built for the working conditions and pressures inside your compressor, it may be subject to faster wear and shorter service life.

Excessive flow resistance may cause pressure drops, resulting in higher energy costs.

Insufficient separation means the compressed air will contain oil particles that may contaminate your downstream equipment.

If a generic separator is not equipped with grounding, a buildup of static electricity could lead to fire!

			
Problem Oil carry-over	**Problem** Separator element corroding or collapsing	**Problem** Excessive pressure drop	**Problem** Risk of fire
Cause • Poor quality filtration	**Cause** • No corrosion protection • Not built to withstand high pressures/temperatures	**Cause** • High flow resistance due to poor quality filter material • Poor design	**Cause** • No grounding
Impact • Poor air quality • Damage to downstream equipment or products	**Impact** • Compressor failure • Expensive repairs • Unplanned downtime • Production loss	**Impact** • High energy cost	**Impact** • Equipment damage • Expensive repairs • Unplanned downtime • Production loss

WHY ORIGINAL OIL SEPARATORS ARE BETTER

The right oil separator does its job with minimal flow resistance, keeping the pressure drop and oil carry-over to a minimum.

Built-in grounding prevents the buildup of static electricity and the risk of fire.

Feature

- Optimal air/oil separation

Benefit

- Good air quality
- Reliable operation

Feature

- Built to withstand working conditions of compressor
- Corrosion protection

Benefit

- Reliable operation
- Long service intervals

Feature

- Minimal pressure drop thanks to optimized flow design

Benefit

- Lower energy cost

Feature

- Grounding to avoid static electricity buildup

Benefit

- Reliable operation

While the cost of an original separator is a fraction of the total compressor cost, the risk of having to replace damaged parts can easily amount to 40% of the compressor value!

Every 1 bar pressure drop over the separator leads to a 7% increase of energy consumption, reflected in your energy bill.

Oil filters

PROTECTING THE OIL CIRCUIT

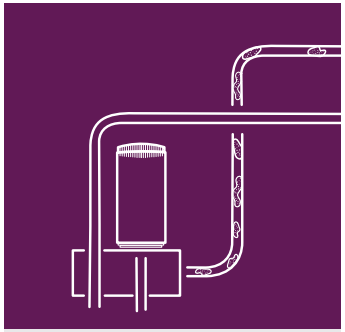
The oil filter keeps the oil circuit clean by removing impurities while leaving the oil's additives intact. This delicate task can only be performed by an original oil filter.



THE RISK OF USING GENERIC OIL FILTERS

Oil passes through the key components of your trusted compressor. Contaminants in the oil can have a big impact on your compressor's performance, service intervals and overall lifetime. The oil will need to be changed more frequently, and clogging of components can lead to premature wear and even breakdowns.

A bypass valve ensures the element is lubricated at all times, even in case of filter clogging. The absence of a bypass valve on cheaper oil filters may lead to overheating and element damage.



Problem

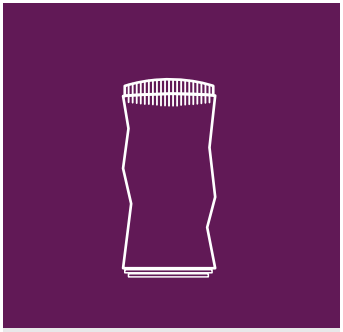
Dirt in the oil circuit

Cause

- Low quality filter paper, unable to resist hot synthetic compressor oil

Impact

- Clogged components
- Shorter service intervals and oil change
- Damage to compressor element
- Repairs and downtime



Problem

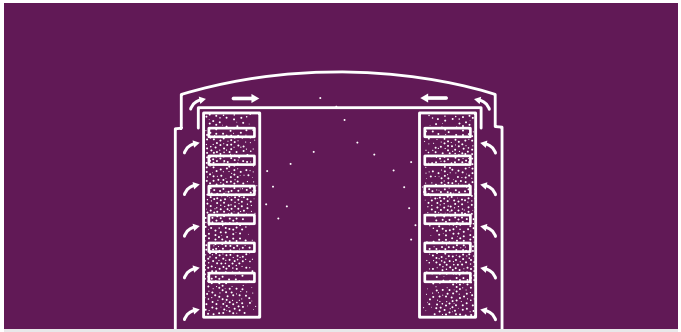
Oil filter collapsing

Cause

- Inferior mechanical filter construction
- Unable to withstand compressor working conditions

Impact

- System failure
- Expensive repairs
- Production loss



Problem

No bypass valve or bypass valve opening too late

Cause

- Absence or inferior design of bypass valve

Impact

- In case of filter clogging, insufficient oil supply to compressor element
- Overheating of element
- Risk of breakdown, production loss

WHY ORIGINAL OIL FILTERS ARE BETTER

Original oil filters have a strong housing to withstand high pressure. Special sealing ensures absolute tightness.

The specially engineered, high quality filter paper can resist water and aggressive synthetic oils at temperatures of up to 140 °C.

The bypass valve of original filters operates within specified margins. This ensures it will open to prevent element failure, for instance when the filter is clogged or during a cold start. Unlike generic filter bypass valves, it will not open at the wrong pressure, flooding the element with unfiltered oil.

Feature

- High quality, impregnated filter paper fit for hot synthetic compressor oil

Benefit

- Reliable operation
- Long service life of components and oil

Feature

- Superior build strength fit for high pressures

Benefit

- Reliable operation

Feature

- Bypass valve designed for compressor operating conditions

Benefit

- Protection of compressor element against overheating
- Reliable operation

While an oil filter costs around 0.2% of your compressor, the risk of a damaged compressor element and other components could amount to 40% of the compressor value.

Service kits

VALUE FOR MONEY

Original parts offer great value and help you reduce your Total Cost of Ownership. But it gets even better with original service kits. They contain all the original parts needed for a service intervention: no mistakes, no missing parts, no extra downtime.

Original kits are highly available thanks to our worldwide support network. And… they come at a price advantage!

Perhaps the greatest benefit of original kits is that you're guaranteed to get original parts only.



Original quality

All original parts are subject to rigorous quality control and in-house testing by the manufacturer of your trusted compressor brand. They were designed and built to meet the demands of your equipment, ensuring its continued original performance and energy efficiency.

Extended lifetime
of the compressor

Maximum
operational
efficiency

Minimized
energy
consumption

Lowest
Total Cost
of Ownership

Eliminated risk
of unplanned downtime

Don't compromise on the original quality of your equipment. Stay original!

In a nutshell

Original Parts & Kits are specifically designed for your compressor

They ensure the integrity of your system and its reliable performance

They are subjected to rigorous quality control by your trusted brand

Taking a risk with generic parts will increase your overall costs

Protect your investment with Original Parts and achieve maximum energy efficiency

Benefit from the advantages of our complete service kits

Care. Trust. Efficiency.

Care. Care is what service is all about: professional service by knowledgeable people, using high-quality Original Parts.

Trust. Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

Efficiency. Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference.



2946 7005 49 – November 2016 © International Compressor Distribution, Belgium - Subject to alteration without prior notice.