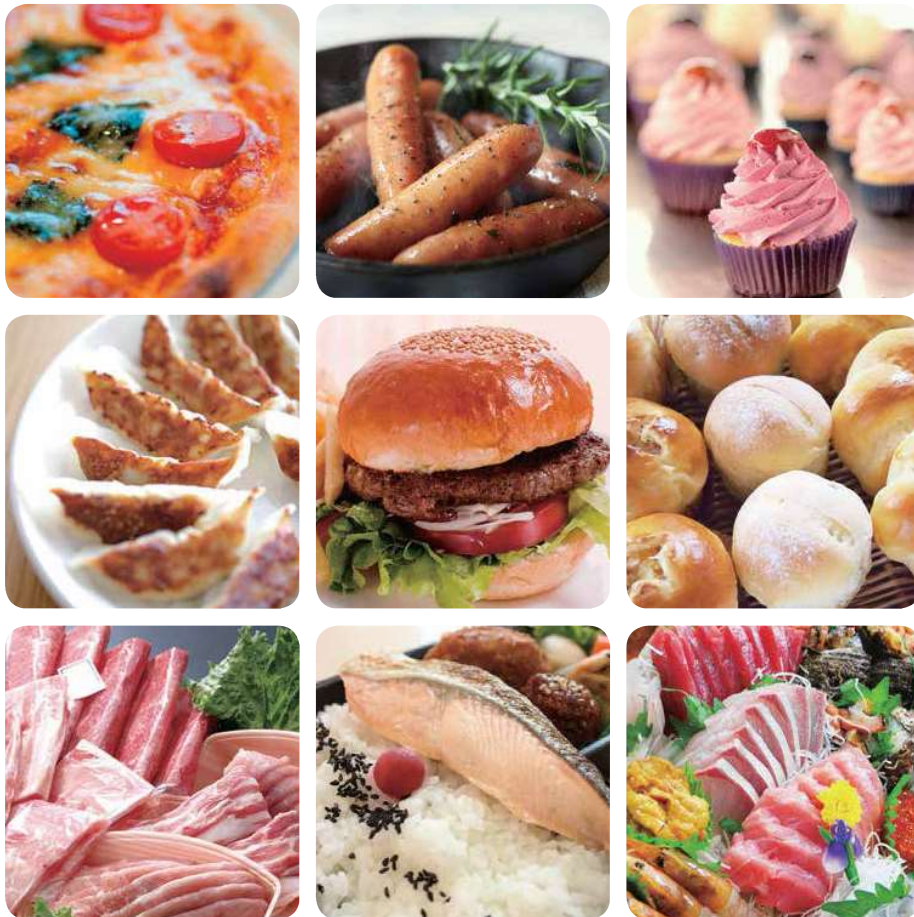


Oil-Free Compressors Installation Proposal



Change the Air of Your Food Factory



The Air of Trust

Changing to Oil-Free compressors reduces potential risks

With the globalization of foods, food safety risks are increasing and food factories are required to have optimal quality control of their products. Controlling potential risks and avoiding risks are crucial issues for food factories. Oil compressors running in food factories may carry risks including decline in quality. The ANEST IWATA Oil-Free Compressors will help solve these problems. We received the "Class 0(ISO8573-1:22010[-:-:0])" certification from TUV Japan, a German-based international certification body. The ANEST IWATA Oil-Free compressors will help you reduce various risks and improve food safety. Please consider installing our Oil-Free compressors.



<p>Risk ①</p>  <p>Product Recall</p> <p>Oil in the air from oil compressors may adhere to food. That may put you at risk of food recall due to mold generation!</p> <p>See P. 3 for proposal. →</p>	<p>Risk ②</p>  <p>Shutdown</p> <p>Oil compressors may put you at risk of interrupting the product lines due to oil storage!</p> <p>See P. 4 for proposal. →</p>	<p>Risk ③</p>  <p>Food Safety Regulation</p> <p>Oil compressors may put you at risk of failing to gain the strict safety control standard certificate!</p> <p>See P. 5 for proposal. →</p>	<p>Risk ④</p>  <p>Dirty Piping</p> <p>Oil compressors may put you at risk of making your factory a hotbed for bacteria due to waste in the pipes!</p> <p>See P. 6 for proposal. →</p>	<p>Risk ⑤</p>  <p>Drain Disposal</p> <p>Oil compressors may put you at risk of pollution or cost increase due to oil contained in wastewater!</p> <p>See P. 7 for proposal. →</p>
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Always Ahead With **ANEST IWATA!**



ANEST IWATA Oil-Free compressors

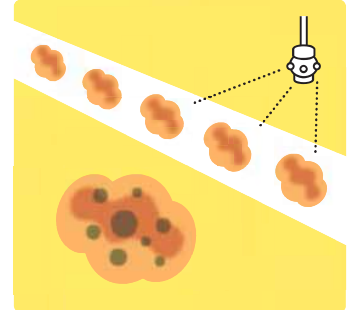
Oil-Lubricated compressors may carry such risks!

Risk ① Product Recall



Oil-Lubricated compressors may put you at risk of...

Generating mold caused by oil contained in compressed air and attached to food.

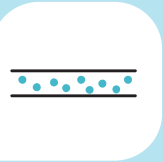


Potential risks in general procedures

Don't worry!
We've never had
such a problem.



We highly recommend you
to take measures against
potential risks. Otherwise,
this could result in trouble.



No worries.
We have air
filters.



Actually, vaporized oil cannot
be captured by oil filters. Also,
clogged filters may cause
external leakage of oil.



We are trying not to
touch oil-mingled
air emitted by
the compressors
directly.



That's a good idea! However,
the smell of oil emitted from
the magnet valves could affect
food.



Clean air reduces risks

The CLASS ZERO Oil-Free* compressors provide
your product lines with high-quality air.



*Class 0(ISO8573-1:2010[-:-:0]) is the classification of compressed air certificated by TUV Japan, a German-based international certification body.

Positive feedback from one of our customers.

We sometimes had foreign objects on our products (bread). We had to enhance the inspection procedure to avoid defective products from being shipped. Installing Oil-Free compressors and oil filters dramatically reduced defective products. This helped us improve the quality of our products and also cut labor cost.

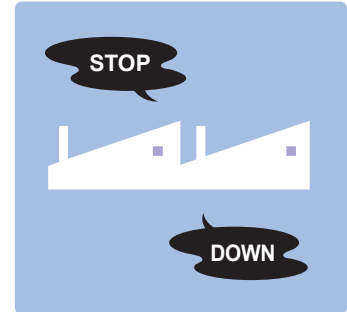
Oil-Lubricated compressors may carry such risks!

Risk 2 Shutdown



Oil-Lubricated compressors may put you at risk of...

Interrupting the product lines due to compressor troubles caused by insufficient maintenance.

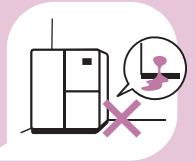


Potential risks in general procedures

We perform inspection regularly as a countermeasure.



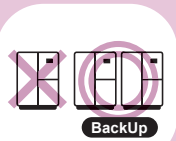
That's very important! However, you still risk overlooking defective parts in areas that are hard to see.



We perform regular maintenance for preventive maintenance...



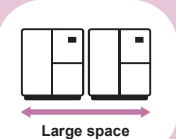
Great! However, there is no machine immune to breakdown. We recommend you to consider a backup.



No worries! We have backup compressors.



That's a great plan! However, you need a large space for them.



The backup mechanism helps to cut cost and improves usefulness

The system contains multiple Oil-Free compressors to avoid risks of interrupting the supply of compressed air.



Positive feedback from one of our customers.

Our factory had shutdown due to compressor interruption during the nighttime when we did not have maintenance staff. It was caused by oil leakage and it became a factory operation issue. We were looking for compressors which could help us avoid these risks, so we installed Oil-Free compressors. Following this decision, we have been operating even in the nighttime without trouble.

Oil-Lubricated compressors may carry such risks!



Risk ③ Food Safety Regulation

Oil-Lubricated compressors may put you at risk of...

Being requested to gain the certificate for strict safety control standard all of a sudden.



Potential risks in general procedures

We always keep in mind to maintain the quality of our products even though we don't have a certificate.



One of our customers once requested the business operators to gain FSSC22000* within a limited time of 2 years.



2 years



How about using food-grade oil instead of installing Oil-Free compressors?



Good idea! However, food-grade oil itself could be restricted in the future.



Food Grade Oil ?

We disclose the processing lines to demonstrate their safety.



That's a good idea, however you may risk failing certificate acquisition without standardization.



NO!

Conforming to the strict safety control standard can reduce risks in business

The food safety control standard FSSC22000* recommends Oil-Free compressors. You can get a step closer to gaining the certificate.

*Food Safety system Certification 22000

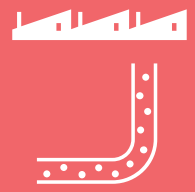


Positive feedback from one of our customers.

We were not requested to gain FSSC22000 by our parent company, but we considered this customer's case and prepared to gain FSSC22000 as a future investment. Fortunately, it was time to change compressors, and we changed to Oil-Free compressors. At that time, our clients requested us to gain the certificate and we had enough time to apply for it.

Oil-Lubricated compressors may carry such risks!

Risk 4 Dirty Piping



Oil-Lubricated compressors may put you at risk of...

Problems in food safety due to bacteria caused by waste in the pipes.

This may lead failure of the production facility.

Potential risks in general procedures



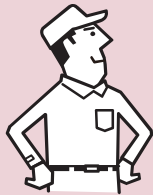
No worry.
We've installed
oil filters in the
product lines.



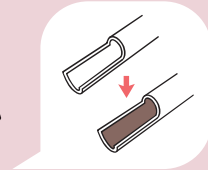
Do not overestimate oil filters.
Filters cannot catch 100 percent
of oil. Also, there are risks of
external leakage of oil caused by
insufficient maintenance of filters.



We're cleaning
our facilities
every day...



I see. However, you cannot
clean the inside of pipes, so
you cannot say that there
won't be problems for sure.



We've been using
oil compressors
for years. It's hard
to change the
whole system...

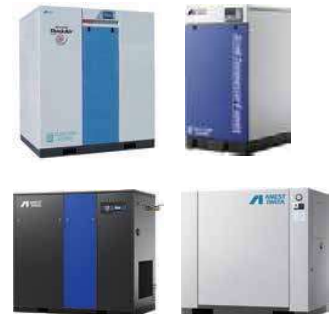


I know what you mean.
However, you need to
consider Oil-Free equipment
when you build new lines.



Clean air and clean piping reduce risks
of decline in quality

Oil-Free compressors and their clean piping are best suited
to your food factory, emphasizing sanitary supervision.



Positive feedback from one of our customers.

I was very surprised at the heavily stained pipes I saw when performing piping work. I thought I understood all the downsides of oil compressors, but it was much dirtier than I expected. I brought up this problem and we started to change to Oil-Free compressors gradually.

Oil-Lubricated compressors may carry such risks!



Risk ⑤ Drain Disposal

Oil-Lubricated compressors may put you at risk of...

Increasing the management cost of drain disposal and storage of related certificates.



Potential risks in general procedures

Can we drain wastewater of the oil compressor?



No, you can't. That may conflict with the Water Pollution Prevention Law.



No worry. We have operators recover wastewater.



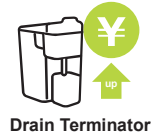
Well, is the cost for disposal and storage of documents a matter of concern?



We are using an oil separator with the oil compressor...



Does changing elements bother you? Furthermore, greasy element disposal costs a lot.



The ANEST IWATA Oil-Free compressors reduce risk of managing wastewater



Since wastewater does not contain oil, Oil-Free compressors are environment-friendly, contributing to cost reduction.



Positive feedback from one of our customers.

We thought that the drain disposal costs were necessary expenses, but the Oil-Free compressors have cut the cost, leading to a reduction in production costs by approximately US\$2,540 a year. In addition, we are now free from the odor of wastewater.

Make the air of your food factory clean and safe. Choose the best suited Oil-Free compressors from a variety of models.

Energy saving and low cost Provides optimal air

Oil-Free Type Scroll Compressor



SLP-300EF

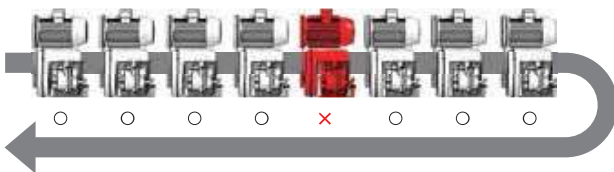


ThinkAir Series compressors ensure a stable supply of clean air to the product lines.

The compressor system consists of multiple compressors, which helps reduce risks.

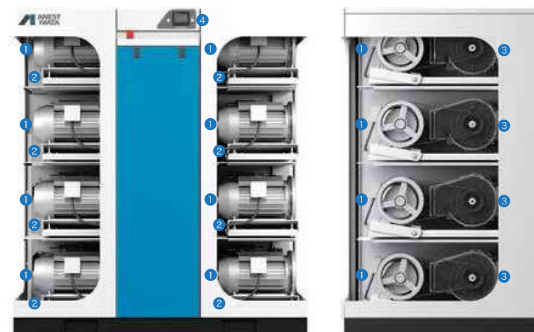
Risk evasion function

If one compressor fails, the other multiple compressors mounted in the system start back up operation, preventing the supply of compressed air from being interrupted.



Effective dispersion of load factor

The ThinkAir Series compressors consist of 6 or 8 scroll air-ends. These compressors convert operation time to a load factor to save energy and reduce maintenance costs.



1 Motor 2 Belt tension swing base 3 Compressor unit 4 Touch panel

Make the air of your food factory clean and safe. Choose the best suited Oil-Free compressors from a variety of models.

Quiet and compact Provides clean air with simple operations

Oil-Free Scroll Compressor



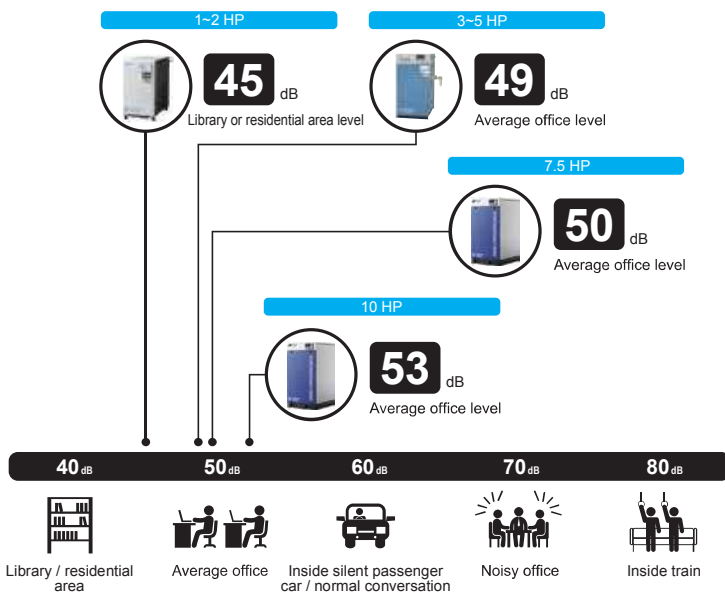
Oilfree Scroll SmartAir
1~5 HP

SLP-F Series
7.5~10 HP

SmartAir and SLP-F Series compressors are installable anywhere in your factory*¹ to provide clean air.

Silent and low-vibration operation

With a noise level value of 45 to 55 dB, Oil-Free scroll compressors are as quiet as inside average offices.



Clean

Oil-Free compressors provide clean air. With the standardly equipped rustproof air receiver, drain pipes are always clean. This ensures to maintain a clean environment.



Aluminium air receiver (anti-rust coated) (1 HP)



Stainless air receiver (2 to 5HP)

*1: The Oil-Free scroll compressors are not waterproof. It indicates that its low-noise operation and compact body can reduce the limitations on installing places.

High efficiency and high endurance Provides high quality air

Oil-Free Claw Compressor



Oilfree Claw **Absolute Air** 30 HP & 50 HP

**Absolute Air compressors ensure a stable supply of high quality air.
Best suited for food factories
which require continuous operation for a long time.**

Excellent durability

The uniquely designed air compressing process has realized low-speed operation, 1/3 the speed of general rotary Oil-Free compressors. This decreases pairing load and helps the compressor life to prolong.

Powerful and long-selling compressor

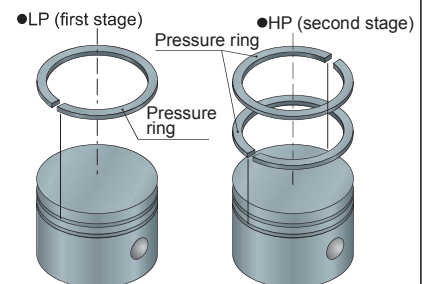
Reciprocating Oil-Free Compressor



Uniquely designed composite resin pistons ensure a long-life operation.

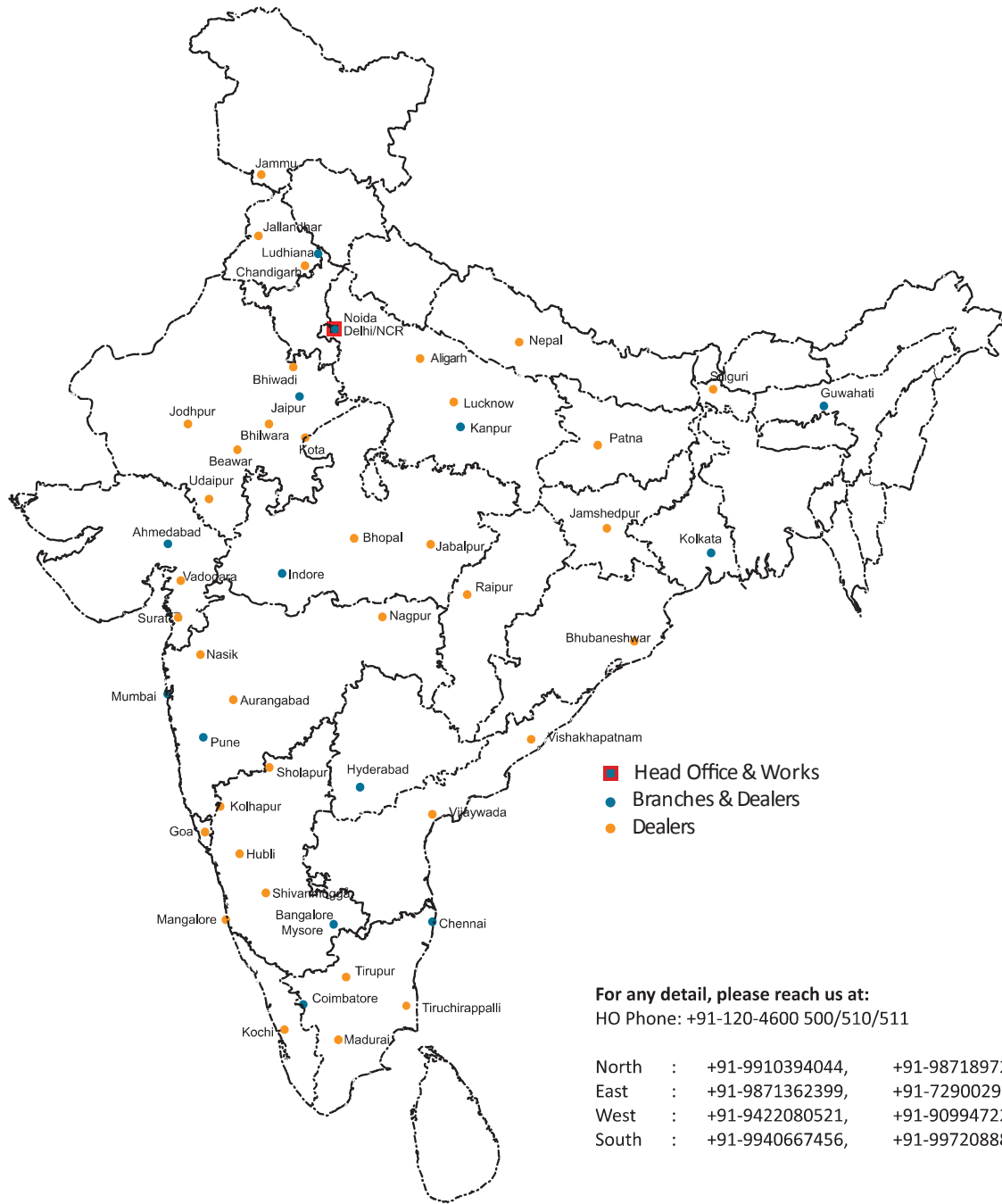
TFT/BFT Series 0.5 ~ 30 HP

■Composite resin piston



With excellent durability, no seizure or adhesive wear occur.

We are closer than you think!



For any detail, please reach us at:
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