

The Atlas Copeco logo is located in the top right corner. It consists of the brand name "Atlas Copeco" in a white, serif font, centered between two horizontal white bars. The logo is set against a solid blue rectangular background.

*Atlas Copeco*

A blue triangular graphic overlay is positioned in the bottom left corner. It contains a white technical drawing of a mechanical component, likely a tap or valve, with various dimensions and labels such as "15307 (14-3)", "16307 (14-3)", "C-C (1/2)", "Ø12", "Ø22", "Ø20", "10.5", "20.8", "18", "4.18", and "1.1".

# Pure Air and Gas for the Perfect Pint!

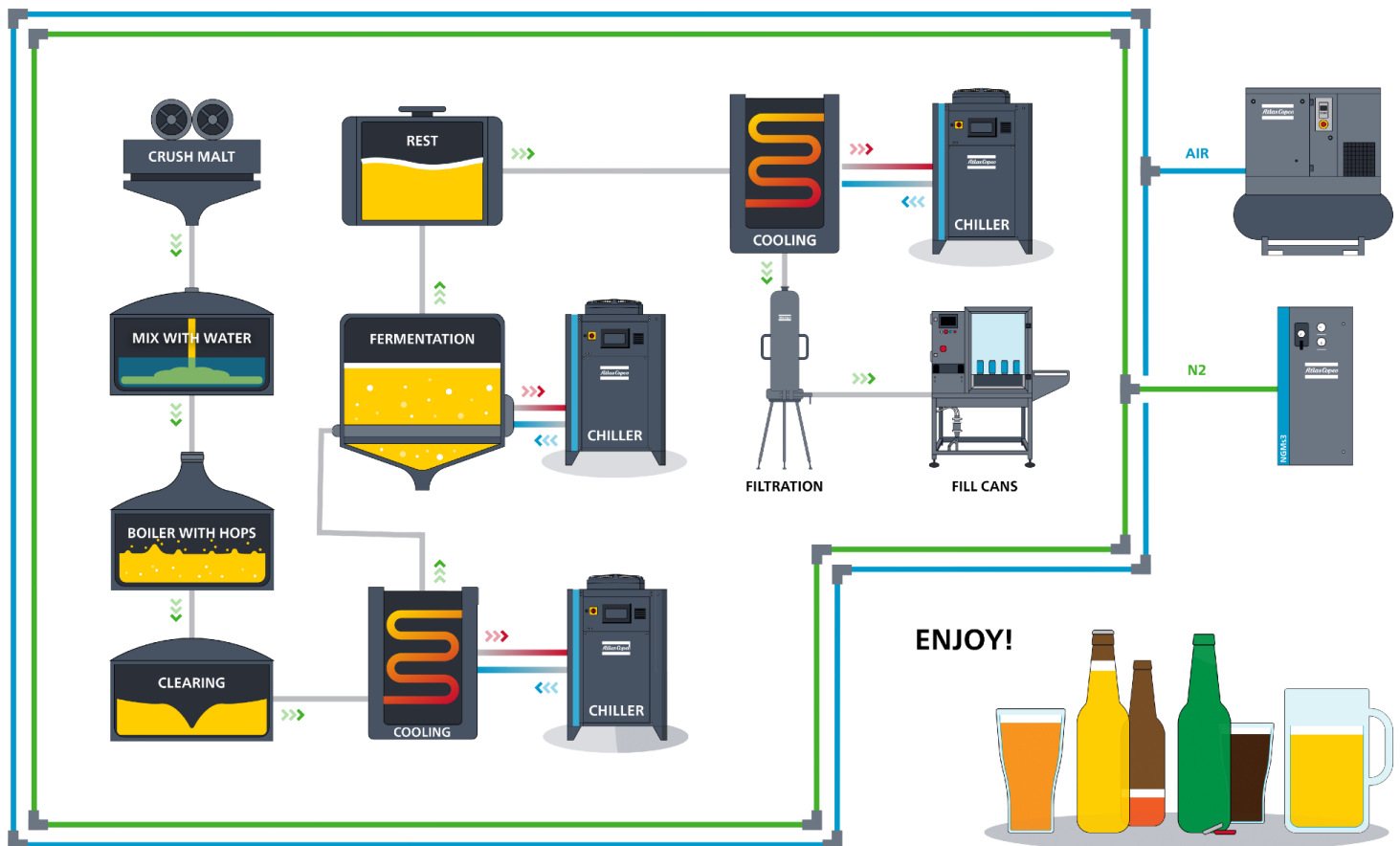
Quality on Tap

# Making the Perfect Brew

Breweries big and small rely on air, nitrogen, chillers, and process filtration to enable them to make the perfect pint. Like the ingredients in beer, it starts out simple – water, malt, yeast and hops. Then you perfect the recipe with a variety of hops and flavors, much like the process for purchasing equipment.

At Atlas Copco, we go further and deeper into every aspect of our product offering. Why? Because the product you buy is ultimately the heart of our promise to you. There are many technologies used to make air—scroll, piston, rotary screw, tooth and centrifugal, to name a few. The efficiency considerations are as varied as each customer’s need—and we embrace this challenge.

We also believe that any purchase should come with a clear payback. If you don’t get one, don’t buy one – that’s our simple rule of purchasing.



# Air Compressors



Piston/Scroll



Oil Injected Rotary  
Screw/Tooth



Oil Free Rotary  
Screw/Tooth

The largest cost when producing compressed air is electricity. That's why we pioneered VSD (Variable Speed Drive) technology. Simply put, it's like multiple air compressors inside one box – all of which automatically understand your production needs – making key adjustments to ensure you're efficient at all times.

Have a big order or need to ramp up production quickly? Rest assured that our air compressors are ready to ramp up with you and will never let you down. In addition, we know that oil is not part of your recipe. We were the first to receive a Class-Zero rating for the quality of our air and we think you deserve the best!

## What do you need compressed air for?

- Packaging
- Controlling Pneumatics
- Aeration
- Transportation of Product
- Clarifying Beer

**The quality of your air has a direct impact on the quality of your product!**



OR



**The key things you need to think about when investing:**



What size  
should I buy?



Which technology  
is right for me?



Do I need oil-free  
or oil-injected?

# Vacuum Pumps



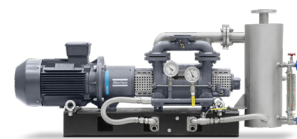
Rotary Screw



Vane



Claw



Liquid Ring

Many breweries are now benefiting from vacuum technology. You will find it most often used during the bottling or packaging processes. When considering a vacuum pump for your brewery, there are two main technologies to consider – liquid ring or rotary screw.

A liquid ring pump is very robust and has a lower initial purchase cost, but requires a lot of water. A rotary screw vacuum pump works without water, and we can incorporate a foam dampening trap to capture water

and foam during the bottling process – avoiding it being returned to the pump. A rotary screw pump is more energy efficient, but which pump is right for you will very much depend on your application.

## What do you need vacuum for?

- Product Preservation
- Labeling
- Packaging Process



The key things you need to think about when investing:



Should I buy a VSD?



Is water/liquid part of my process?



Do I need oil-free or oil-injected?

# TCX Chillers



Every brewer understands the Importance of maintaining temperature control during the entire process. At times you need extreme heat but once that heat has fulfilled its job you need to cool the water down very quickly – that's where Atlas Copco's chiller range comes into play.

- Plug-n-play connections for immediate installation.
- Optimization of space and ambient conditions with the option to install indoors and outdoors.
- Full control of your process with various monitors and safety devices combined into a central controller.
- Microchannel condensers design allows for 30% less refrigerant charge compared to others.



## What do you need chillers for?

- Cooling Wort
- Fermentation
- Packaging

# Process Filtration



Atlas Copco's range of filtration products were designed with the brewing industry in mind. The technology is advanced, but the goal is simple – removing microorganisms which should not be there and ensuring the best end-product. The range includes cartridges, housings, and bags that cover the needs of any brewery, big or small.

## Highlights of the range:

- Absolute filtration at an efficiency of 99.9% down to a 0.01 micron rating.
- Sterilizing grade (membrane) filter cartridges with up 8000-hour service life.
- Integrity testable membrane filters to ensure product quality.
- Food contact compliant with FDA CFR Title 21 and EU Regulation No.1935/2004.
- Applicable for use in filtering various mediums such as liquid, steam and compressed air.
- Validated performance for bacteria retention acc. ASTM F 838-05.



# Nitrogen Generators

Buying bottled nitrogen is a staple for many industries across the United States. On the surface, buying bottles seems to make sense. It's seen as convenient and does not involve an equipment purchase. However, breweries across the world are changing. Creating your own nitrogen

makes great business sense. You lower the cost of your nitrogen, have a guaranteed supply, and even control the purity level! When you're looking at efficiency, safety and sustainability inside your facility, moving to on-site nitrogen production accelerates you towards those goals.

## What do you need nitrogen for?

- Purge Tanks
- Pressurize Kegs
- Transportation of Product
- Carbonation
- Freshness



## The P.R.I.C.E. benefits of on-site nitrogen:



### Purity Control

Set the purity level that you need and only pay for that purity.



### Reduce Wastage

You use every drop you produce. Nothing gets sent back.



### Increase Safety

No delivery, storage or movement of high-pressure cylinders.



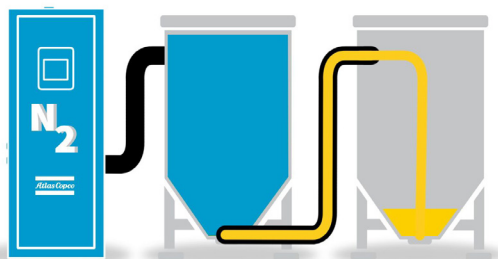
### Cost savings

Reduce the cost of your nitrogen by up to 80%.



### Environment

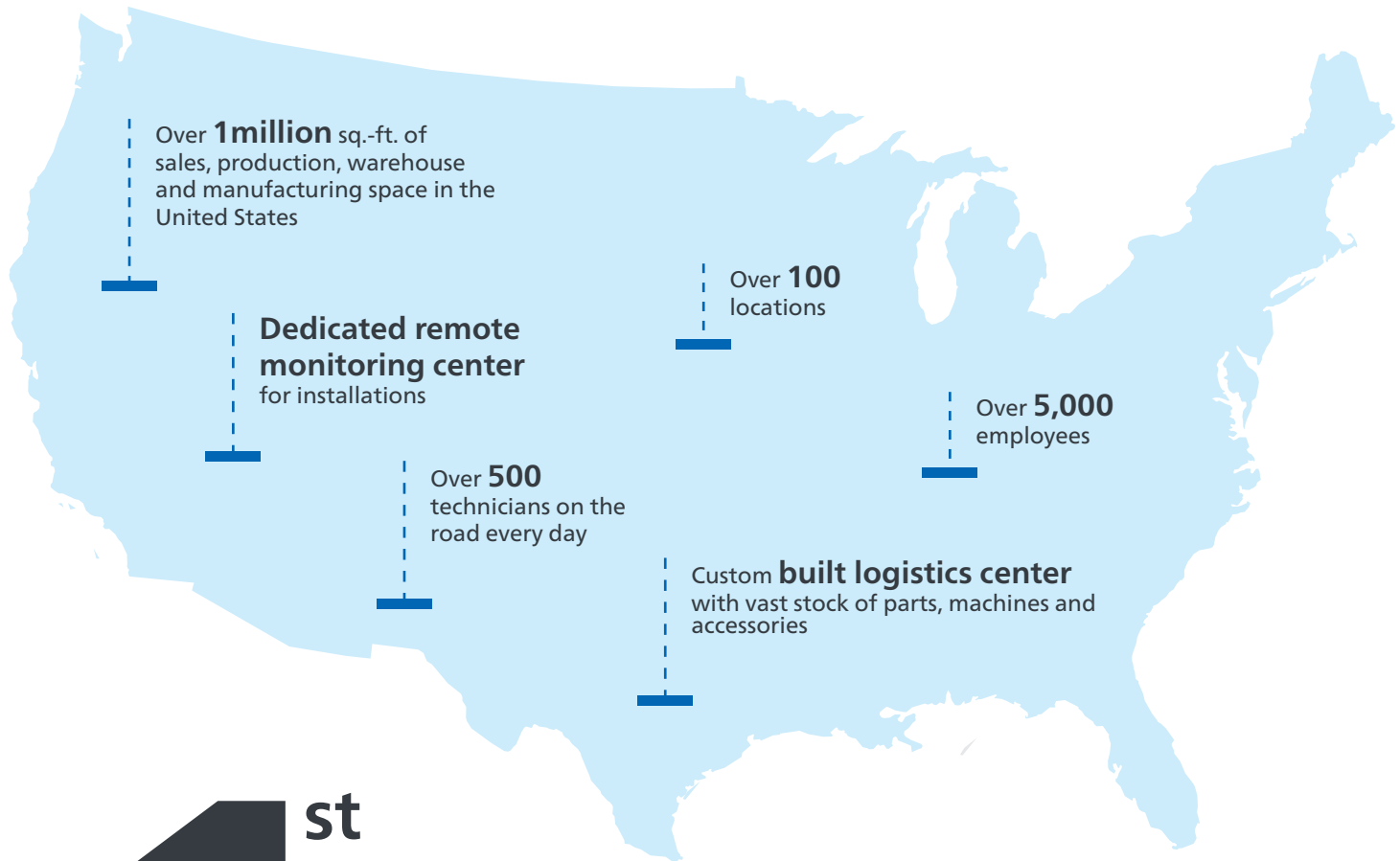
No reportable transportation to your site. No need to bleed-off/vent tanks before returning.



## Make the switch from CO<sub>2</sub>

Nitrogen offers breweries many advantages and is ideal for several applications throughout the brewing process. On-site nitrogen extraction using a generator provides breweries the ability to produce the required quantities of inert gas itself – removing the need to bring in expensive CO<sub>2</sub>.

# The Atlas Copco Group in the United States



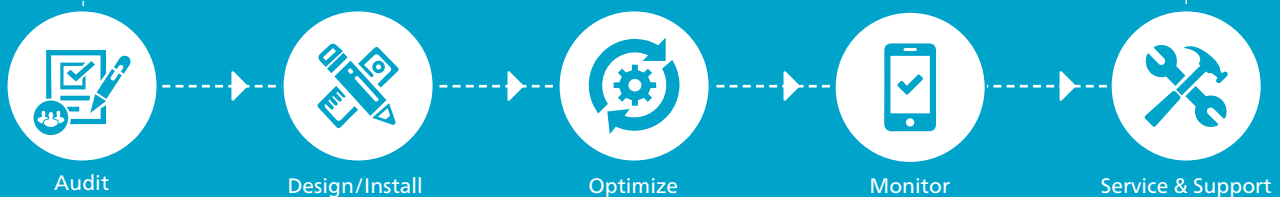
## 1st

### Atlas Copco – Leading Innovation:

- ★ Air compressor manufacturer to be awarded ISO 8573-1 CLASS 0 certification.
- ★ Air compressor manufacturer to launch integrated Variable Speed Drive (VSD) compressors.
- ★ Air compressor manufacturer to launch full feature compressors with integrated dryers.
- ★ Air compressor manufacturer to launch an electronic control and monitoring system.
- ★ The only air compressor manufacturer to have been listed in the world's Top 100 Sustainable companies on five separate occasions.

Proud to be

## The Connected Efficiency Journey



Our dedicated team will walk you through every step of the journey.

# Solutions Portfolio

## Air Compressors



Piston/Scroll



Oil Injected  
Rotary Screw



Oil Free Rotary  
Screw/Tooth



Centrifugal | High-Pressure | CNG

## Gas Generation | Air Treatment | Controls



Nitrogen and Oxygen



Filters



Dryers



Control Systems

## Industrial & Aeration Blowers



Turbo Screw



Claw Lobe



Vacuum Pumps



Industrial Cooling

## Vacuum and Industrial Cooling

## Service Solutions



Factory Trained  
Technicians



Design, Installation,  
and Piping



Customized  
Service Plans



SmartLink  
Remote Monitoring



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