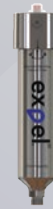
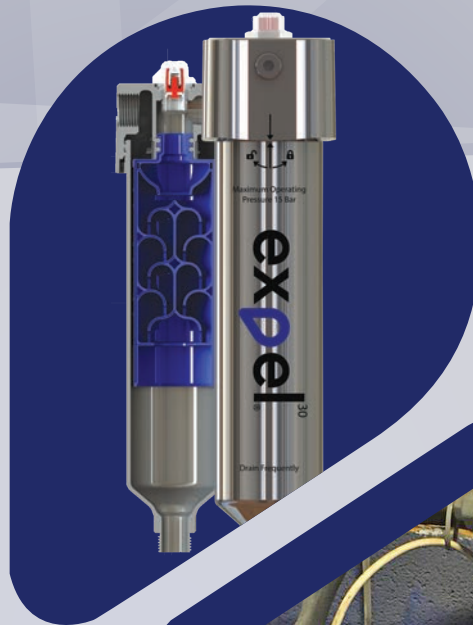




# expel<sup>®</sup>



*"The price that Original AVG are offering for this tiny little filter, that does the job of thousands of dollars worth of equipment is just incredible, I mean incredible, I'm really astonished by it." Matt Monte, Econotyres. Miami USA.*



# original AVG

## Expel for the Tyre Shop Industry

Compressed air is used extensively throughout all tyre shops to operate important tools and equipment. Due to the fluctuations in temperature across workshops, it can often lead to significant volumes of water in compressed air systems causing avoidable equipment damage and downtime, expenditure and inconvenience.

**Original AVG** have designed and manufactured a solution to the problems associated with water and particulates in compressed air lines that can completely **eradicate the need for a refrigerant dryer, saving you ongoing energy and maintenance costs.**

Even though **Filter Regulator Lubricator (FRL) set ups have a filter, these filters are made of perishable internal materials that quickly become saturated, ineffective and need replacing.** This results in unnecessary maintenance, hassle, wastage and costs.

## How Has Expel Benefitted the Tyre Shop Industry

This easy to fit unit **continuously removes ALL liquids from compressed air systems**, as well as solids down to 1 micron and the internals of the filter never need changing. The result is no more equipment failure or downtime because of wet and/or dirty air.

Expel offers a bespoke approach to compressed air filtration. It is the only compressed air filter that can separate liquids and solid contaminants from a compressed air line with **zero maintenance**. We are aware that during routine inspections our customers may want to inspect Expel, so we have designed Expel so it can easily be dismantled, cleaned and reassembled. Additionally, we have designed EXPEL with the concern for wastage in mind. Our Expel filter requires no replacement filter elements and has been manufactured so it is built to last, corrosion resistant and keeps ongoing costs and wastage to a minimum.

Traditional Solutions to the problem of water and other particulates in compressed air systems include refrigerant dryers, wasteful and ineffective filters and water traps, all of which are problematic:

- Dryers are energy draining and costly to run
- Traditional filters are made of saturable internal materials, which over time become ineffective and need replacing
- Water traps are often unreliable or completely ineffective, this is not good enough when you have spent large sums of money on equipment.

### EXPEL COULD POTENTIALLY SAVE YOU THOUSANDS!

**Expel will remove all liquid water** from your compressed air lines, and in the majority of cases, **this means the need for a dryer is eliminated**. Furthermore, Expel does not require a direct power source, therefore, **no energy costs are associated with the Expel unit**, this could save you thousands of pounds in installation and running costs of a dryer.

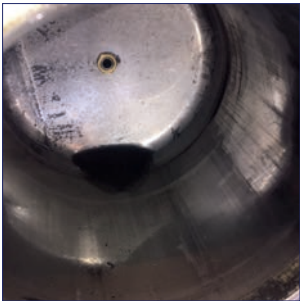
Additionally, Expel requires **no replacement filter elements, reducing both your wastage and costs** that are commonly associated with replacement filter elements and labour. A fit and forget product that will forever protect your tools and equipment.



**Tyre Changers failing** – Water causes significant damage, particularly in the bead-breaker cylinders inside of the Tyre machines. Water will quickly cause internal corrosion and seal failures leading to improper performance, repair costs and downtime. This can cause rejection on warranty claims.

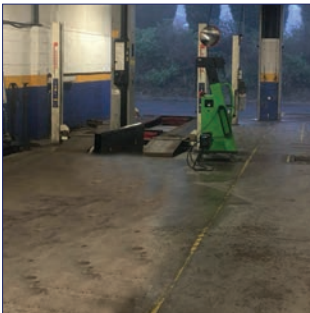
Installing our hassle-free Expel unit means tyre machines will be more reliable and a lot less problematic.

Expel significantly increases the life-cycle of tyre machines unlike the filters supplied with the machine, because it removes all water and other particulates to 1 micron, preventing internal corrosion. Expel never needs changing... forever protecting your expensive assets.



Water in lines that are used to operate hand tools, such as impact wrenches, can wash out lubricants that are needed for proper operation. This will lead to internal corrosion and seal failure resulting in repair costs, or complete replacement and potentially cause you rejection on warranty claims.

Significant cost savings and reduced equipment down-time can be made by installing Expel, as well as maintaining equipment to a superior standard. Expel protects equipment against water so that lubricants are not washed out, therefore reducing inefficiency and damage to tools and equipment. This will significantly increase the performance of your equipment and ensure a good quality oil lubricator is installed after Expel and before your tool.



Some Vehicle Lifts rely on pneumatics for operation of the locks. Water in the lines can lead to improper operation, especially in winter months where the water can freeze. This could become a health and safety risk.

As Expel removes nearly ALL liquid water, it continuously ensures there will not be enough water in the air lines to freeze to cause improper operation. Expel can help make your vehicle lift more reliable and eliminate a potential health and safety risk for the workforce. Additionally, Expel has been manufactured from Stainless Steel making the filter itself highly robust and corrosion resistant.



When filling tyres with compressed air, it creates moisture in the tyre which **causes the tyre to expand and contract when exposed to different temperatures**. Consequently, tyres may give a low pressure reading on a cold day, but a more stabilised reading as the temperature increases. This makes it difficult to calculate a baseline reading when filling tyres with compressed air. **Moisture in filled tyres can also be dangerous during temperature fluctuations and they can expand rapidly and unpredictably.**

**Expel removes 99.999% of liquid water and particulates to 1 micron** which will protect tyres from moisture when being filled with compressed air. **This will improve the accuracy of calculating a baseline tyre pressure reading as well as eliminate the danger of a rapidly and unpredictably expanding tyre.** This will help your company provide a safe and quality product for your customers.



## Case Study: Econotires Miami USA

### EXPTEL SAVES AMERICAN TYRE SHOP THOUSANDS OF DOLLARS IN REPAIR AND NEW EQUIPMENT COSTS!

**Econotires** is a family-run specialist tyre shop in Miami, Florida, who pride themselves in knowledge of everything tyre related, including tyre maintenance, repair and replacement.

For around 20 years, this family run business had been having consistent issues at the tyre store with water coming into their compressed air lines. This was causing a range of issues, for instance, water was damaging specialist equipment like tyre machines, as well as causing a reduction in the life-cycle of air guns and other pneumatic equipment.

Prior to installing Expel, Econotires were spending a substantial amount of money on regular filters, which were proving ineffective and expensive, as explained by Econotires Shop Owner, Matt Monte.

***"I had about 5 regular filters and I've spent about \$100-\$130 each one."***

Considering this hefty price tag, we were horrified to hear that Mr Monte's still had water problems because of inadequate filters. Mr Monte decided it was time to explore other solutions to this costly problem.

Other solutions Monte explored amounted to even bigger price tags.

***"People were quoting us thousands of dollars in repair costs and well as proposing the installation of a whole new air compressor system."***

Luckily, Expel was able to help before Econotires spent thousands of dollars unnecessarily and made the informed decision to install the Expel compressed air filter, for which we received the following reaction:

***"The price that Original AVG are offering for this tiny little filter, that does the job of thousands of dollars worth of equipment is just incredible, I mean incredible, I'm really astonished by it."***

Mr Monte elaborated by proclaiming:

***"This single Expel unit was able to do the work of all 5 filters combined. This one filter did the job of everything, right now it's powering my entire warehouse. For the money, and for an all-in-one piece, the price is crazy, it's almost a given. Thank you so much."***

We are so glad that we were able to help Econotires, now we want to help you make substantial savings too! Here at Original AVG we are great believers in value for money, if you are paying continual costs for inadequate filters, replacing tools and equipment far too often, spending far too much money on running a dryer or receiving countless problems with water in your compressed air lines, we can help!



***"Extremely satisfied, extremely."***  
**Matt Monte, Econotires, Miami, USA.**



**Expel in use at Econotires**



Watch our videos:  
<https://youtu.be/IxUNzgJJDWM>

## Lodge Tyres, Stafford Branch Case Study

**Lodge Tyre Co. Ltd** handles all major tyre applications and vehicle maintenance work via its network of depots throughout the UK. Lodge Tyre depots have the ability to supply tyres to all applications including cars, vans, commercial and plant tyres.

High on Lodge Tyre's priority list is to maintain their high levels of personal service they deliver to their customers, and on everyone's priority list is to **reduce unnecessary costs incurred within a business.**

General Manager of the Lodge Group Trevor Standeven, was becoming increasingly concerned about the volume of water that was entering the compressed air lines and knew he needed to take action because of the extensive damage to the following equipment that it was causing:

- Water in the airlines leading to the four postal air lifters was becoming increasingly problematic for the Stafford Branch, especially in the winter months because the water would freeze in the compressed air lines which disabled the ramp from operating properly.
- Fitting Machines were another chief concern to Standeven and his workforce because seals in the bead breakers were constantly breaking down, leading to large and avoidable maintenance costs and equipment downtime.

Prior to trialling the Expel filter Standeven had made several unsuccessful attempts to resolve the problem of water in the compressed air lines, for instance, with the use of standard water traps, yet the problem remained unsolved. **Other solutions included dryers but these are very costly to buy and hugely energy consuming and require further and continual costs to run.** As a result, Mr Standeven decided to install two Expel units in the Staffordshire Depot. He ordered the installation of one Expel unit before the four-post lift, and the other before the two tyre changers. **Mr Standeven was delighted that Expel had finally solved the problem of water in the compressed air lines and commented:**

***"Expel has had a big impact, it's greatly reduced the amount of water and reduced the maintenance costs on the fitting machines, and we are no longer having those problems! I'd recommend Expel to anyone who has fitting machines, MOT bays, or anywhere you have got compressed air lines."***

Being a customer focussed company, Standeven understandably did not want to waste unnecessary time dealing with equipment downtime and paying endless avoidable maintenance costs when they could be channelling these efforts into providing a superior level of customer service.



***"I'd recommend Expel to anyone who has fitting machines, MOT bays, or anywhere you have got compressed air lines" and pic of expel in use at lodge tyre."***

**Trevor Standeven, General Manager Lodge Tyres**



**Expel in use at Lodge Tyres**



Watch our videos:  
<https://youtu.be/GVH1cfij3rc>

## Why buy Expel? IT REALLY WORKS!

Features	Advantages	Benefits
Reduces equipment downtime	Improves the efficiency of your tyre shop.	No more equipment downtime due to faulty operation of tyre changers, vehicle lifts and all of your other pneumatic equipment.
No refrigerant dryers required	<p>Saves initial purchasing/installation costs.</p> <p>Saves on-going energy costs.</p> <p>Saves in servicing costs including part replacement costs, running costs and general maintenance of dryer.</p>	<p>This can save your site thousands!</p> <p>Expel works as a more effective system than a dryer as it cleans the air just before the point of use.</p> <p>Expel requires no running costs.</p>
Reduces energy costs	Expel has a smaller pressure drop than traditional filters.	<p>When mesh filters collect dirt and water it creates resistance. This increases energy usage to maintain the same flow rate after the point of use, with multiple mesh filters in line causing greater energy usage costs.</p> <p><b>Expel solves all these problems</b> - nothing to clog/block, etc.</p>
No more emergency call outs for breakdowns due to water in compressed air lines	Effective placement of Expel reduces call outs, downtime and costs.	Saves your company money.
No replacement filter elements are required	An instant way to stop spending money on internal parts of filters and is a good step towards your sustainability goals.	<b>Zero maintenance</b> and always a perfect performance.
Manufactured to ISO 12500 Air Quality	Latest ISO standard specifically for compressed air filtration.	Meets stringent testing standards for the quality and performance of compressed air filters.

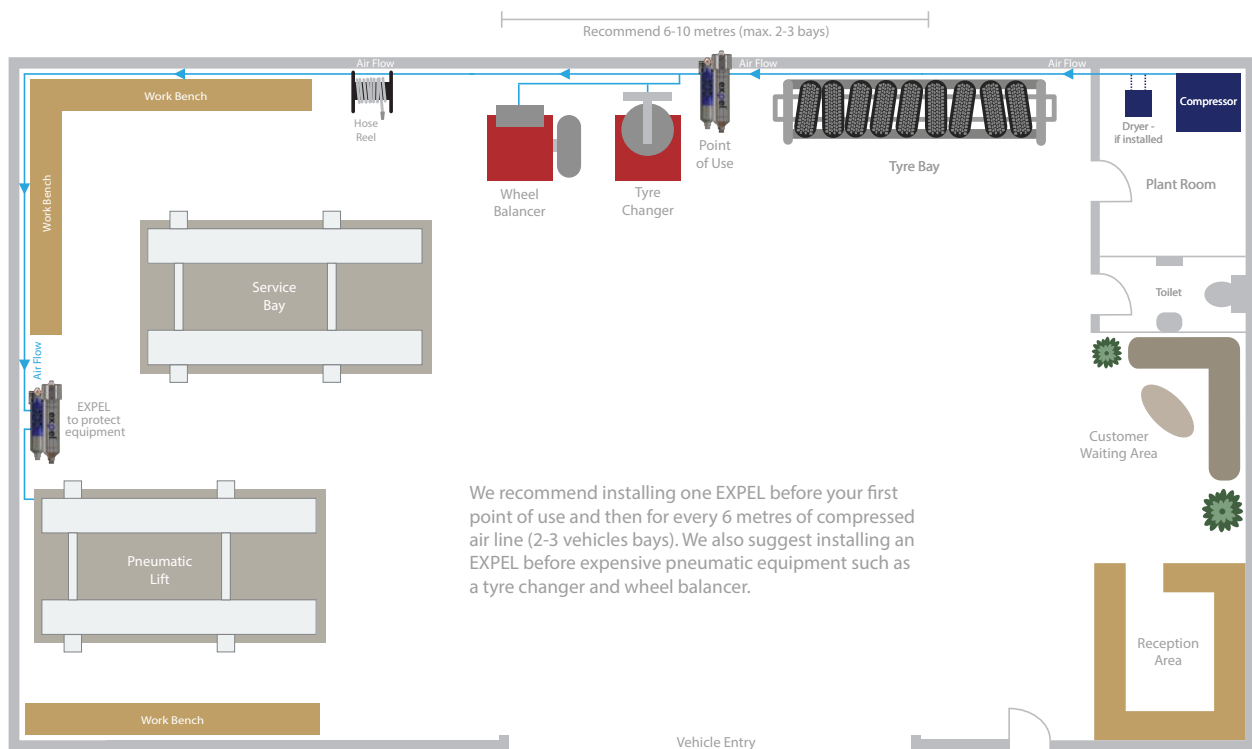
## Where to install EXPEL

**Installing Expel** at point of use makes Expel much more effective. This means contaminants are removed just before areas that need protection. This means that Expel can eliminate the need for a compressed air dryer. This can save your company thousands.

Install Expel in the following locations:

- Before tyre changers
- Before vehicle lifts
- Before pneumatic tools.

## Workshop Example



## Drains Recommended for Tyre Shops

For every Expel filter we sell, we recommend a selection of our professional AVG drains. Additionally, if you have an air receiver tank which you are currently draining manually, then you may want to take a look at our AVG drain selection for both your Expel filter and for your air receiver tank.



### **AVG Automatic Float Drain** *part number 6100-023*

- No power source required
- Automatic condensate drain
- Clear bowl enables visibility of drain operation
- Unit can be easily dismantled for servicing & cleaning
- Operating pressures up to 16 bar
- Is easily attached to your EXPEL filters drain port
- ½" BSPT Female Thread Inlet connection
- Manual override for immediate condensate discharge



### **AVG AD Zero pressure loss 1** *part number 5000-200*

- Zero pressure loss
- All-weather resistant, this drain will not crack or break in frost/cold/hot climates.
- No electricity required
- Fit and forget
- Corrosion resistant
- Recommended if Expel is near a wall



### **AVG AD Zero pressure loss 2** *part number 6100-032*

- Ideal for air receiver tanks with limited space underneath for drain
- All-weather resistant, this drain will not crack or break in frost/cold/hot climates.
- A heater can be attached to this drain for particularly cold climates to make it frost proof
- Zero pressure loss
- No electricity required
- Fit and forget
- Corrosion resistant



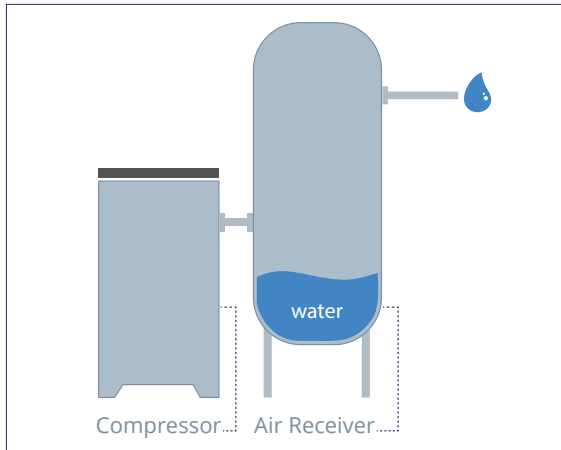
### **AVG AD Pro** *part number 6100-033*

- Ideal for environments that have very dirty airlines, drain everything including larger particulates
- All-weather resistant, this drain will not crack or break in frost/cold/hot climates.
- A heater can be attached to this drain for particularly cold climates to make it frost proof
- Test button for routine maintenance
- Corrosion resistant
- Ideal for air receiver tanks with limited space underneath for drain



## Why install one of our Original AVG drains on your air receiver tank?

Draining water manually from the air receiver tank has a number of issues

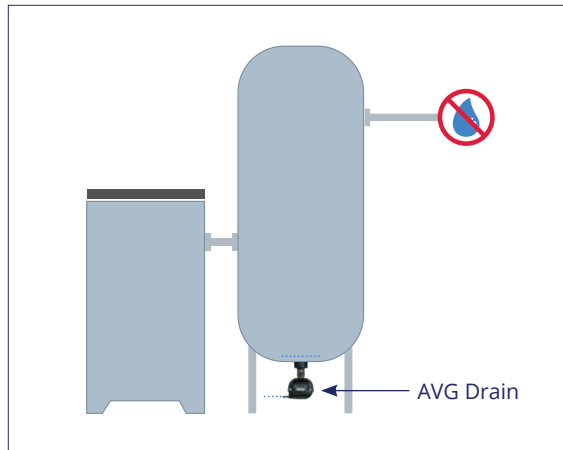


### ISSUES

Pressure loss if air escapes during manual draining

Human error leads to build up of water that ends up going through airlines and damaging valves and equipment

Takes up more time and is an additional job to have to remember



### SOLUTIONS

Auto drain has zero pressure loss so no air lost during draining

The auto drain will continuously automatically drain any water build up

Installing an auto drain will give you one less job to worry about, you will not have to remember to drain the tank manually, it will be done for you.



## Frequently Asked Questions

### **If I am not having problems with water in my compressed air lines, do I still need Expel?**

**Yes!** Everyone will be switching to this new technology; it is just a case of when you will upgrade. It replaces old filters which need maintaining and it can replace dryers in a lot of circumstance (speak to our sales team).

Traditional filter performance drops over time but Expel never becomes saturated and there is never a decrease in performance because it does not contain any easily perishable or saturable materials.

### **Can I trial an Expel unit without committing to buying?**

**Yes!** We are so confident that you will be pleased with the performance of our Expel filter that we offer a no strings attached trial period.

If you're not 100% satisfied with Expel you are under no obligation to buy and can simply return your Expel unit back to us at Original.

### **How do I know that Expel actually works?**

We have manufactured Expel to ISO 12500 - the latest ISO standard for compressed air filtration. Therefore, you can be rest assured that Expel's performance has been extensively tested to ensure it meets an internationally recognised standard.

We have gathered feedback from our existing customers from your industry, so that you can have their honest opinions about the effectiveness and quality of Expel.

Additionally, we are offering our customers a trial period free of charge so you can see that it really does work!

5 years manufacturers guarantee.

### **Do I still need a refrigerant dryer if I install Expel?**

**No!** Expel has saved some of our customers thousands of pounds worth of expensive equipment running and servicing costs.

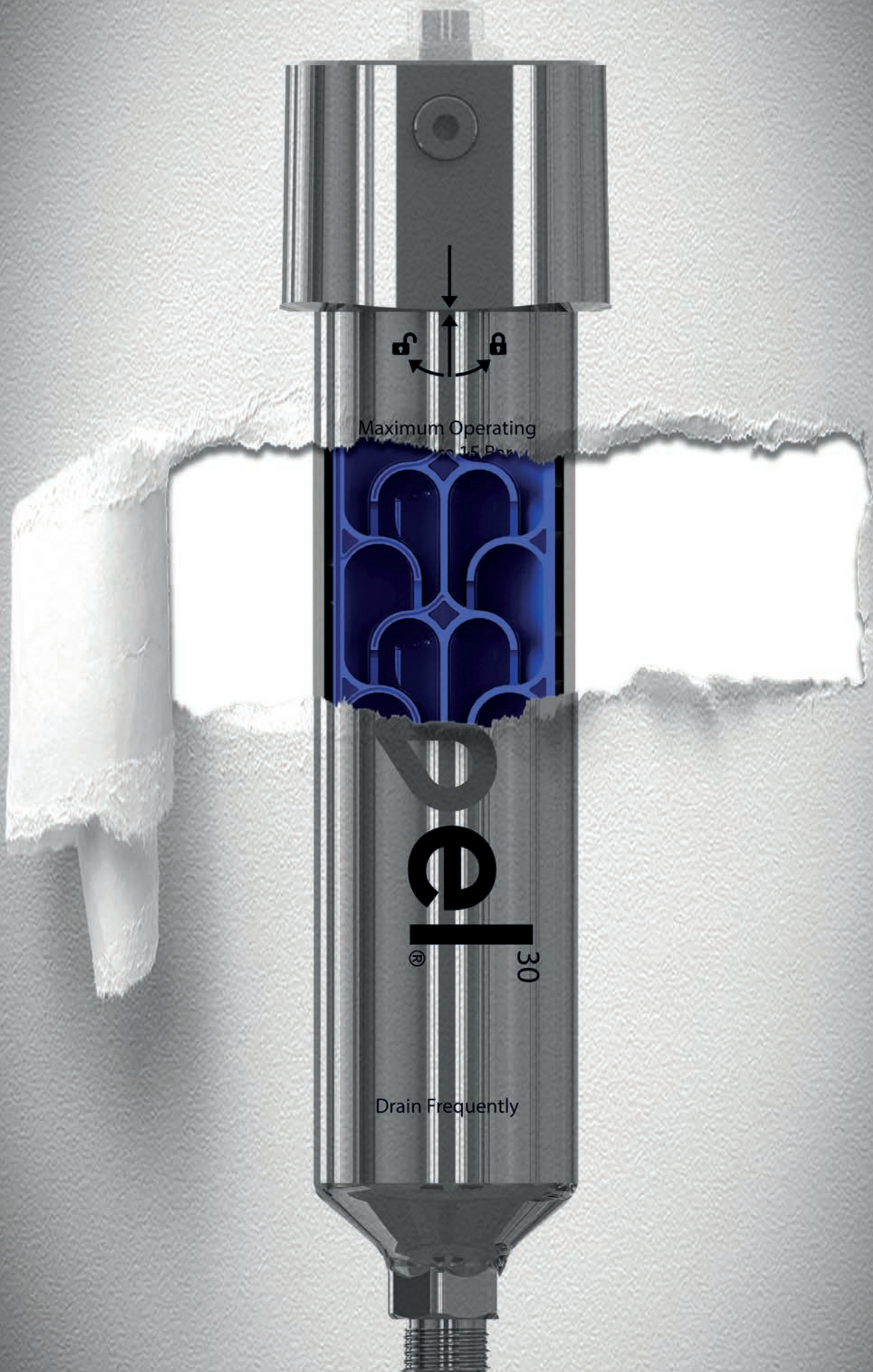
Most of our customers have found our Expel unit is so effective that the need for a refrigerant dryer has been eliminated across their sites. Contact our sales team and they will talk you through your set up and find out whether Expel can do the same for you!

### **Do I need to buy anything to go with my Expel unit?**

**No!** Our Expel unit comes with everything you need to install. We do recommend that you purchase one of our professional **AVG drains** with every Expel purchased, we have created an industry specific drain page.



IT'S ALL ABOUT THE TECHNOLOGY





# World's first cleanable and reusable compressed air filter

Removes 99.9999% liquid condensate, liquid oil (or oil / water emulsion mix) and solid particles down to 1 micron



IMPROVED PERFORMANCE



MONEY SAVING



NO DOWNTIME



EFFECTIVE SOLUTION

EXPEL stops downtime and equipment failure that is caused by air contamination.

Replaces your four conventional filters, removing bulk water, mist water, oil down to 1 micron particulates. All in one filter.

**REQUIRES NO REPLACEMENT FILTER ELEMENTS • NO MAINTENANCE COST • REQUIRES NO MAINS POWER**

In every industry using compressed air, there is a desperate need for clean and dry air. Simply because wet and contaminated compressed air damages crucial pneumatic components, not only causing valuable downtime, but huge expenses that could have been avoided, with a simple yet effective solution... a solution we call EXPEL.



T: +44 (0)345 50 50 222 | [sales@originalavg.com](mailto:sales@originalavg.com) | [www.originalavg.com](http://www.originalavg.com)

Original Ltd | Unit 52 Atcham Business Park | Shrewsbury | SY4 4UG | United Kingdom