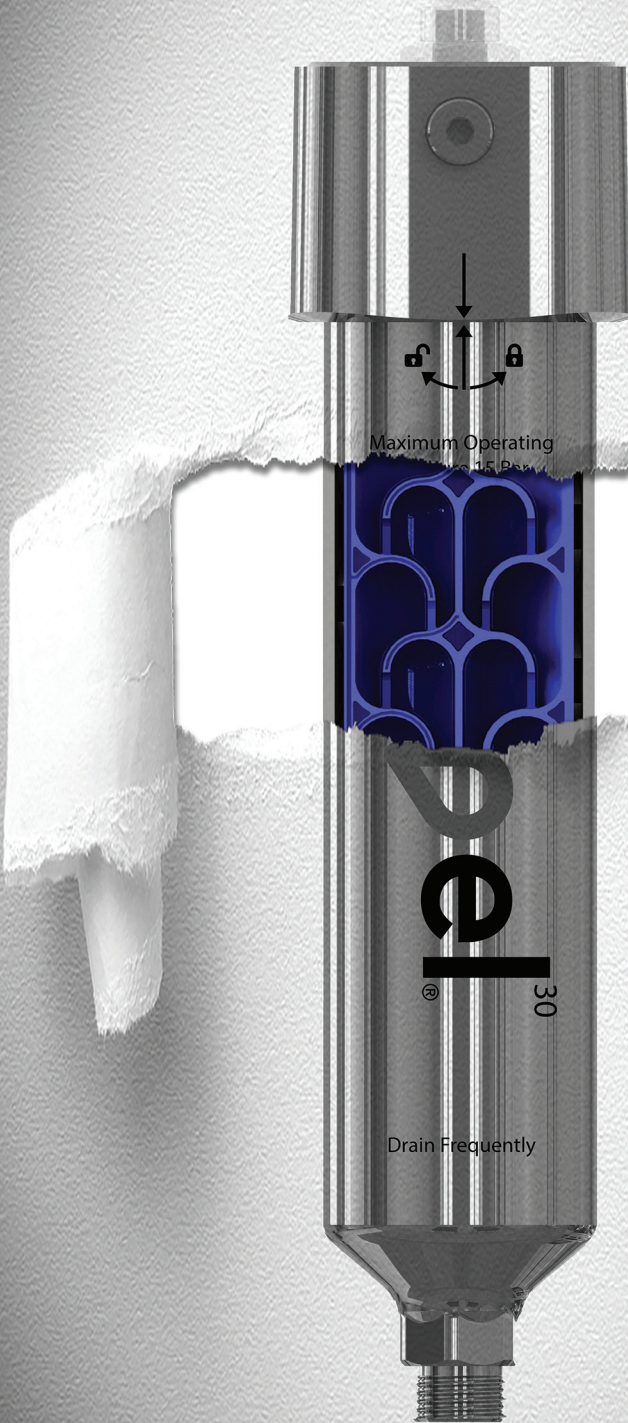


expel[®]
original **AVC**



EXPHEL 30

Specialised Compressed
Air Filtration

EXCEPTIONAL COMPRESSED AIR QUALITY GUARANTEED

Expel will remove (99.9999%) of liquid water, oil and solid particles down to one micron from a compressed air flow. This unique, patented design will dramatically improve the quality of compressed air when installed at *point of use*.

Designed and tested in accordance with **ISO12500**

- Part 1 - Oil Aerosols
- Part 2 - Particles
- Part 3 - Water

EXPEL 30



PRODUCT OVERVIEW

- 30 cfm max rated flow rate
- 15 bar(g) - 217 psi(g) maximum pressure
- 2 year manufacturer's warranty
- ½" & ¾" bspt / npt inlet / outlet connections
- Removes 99.9999% all liquid water, oils, and particulates down to 1 micron
- Grade 304 stainless steel body and head
- Pressure indicator as standard
- Optional pressure gauge
- ½" bspt / npt male drain port

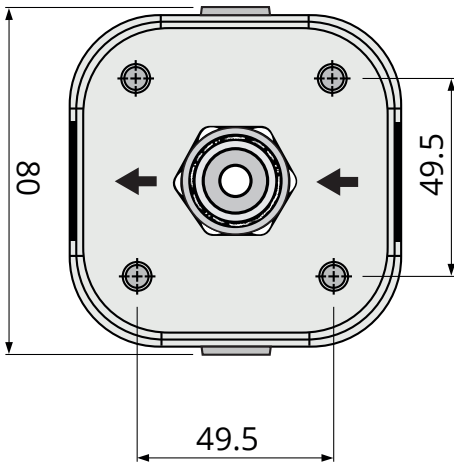
FEATURES

- **Tested to ISO 12500 standards**
- **Worlds first cleanable, reusable compressed air filter**
- **No ongoing consumable costs**
- **No increase in pressure drop caused by contaminated filters**
- **No power source required**
- **Significantly reduced life cycle costs**
- **Easy to install & maintain**
- **Instantaneous recovery from pulsed flows or stop start**
- **All spare parts available**
- **Fully dismantlable**
- **No decrease in performance over lifetime of a well maintained filter**

MECHANICAL SPECIFICATION

Product Code	6000-003-AA
Inlet/Outlet Connection	½" or ¾" BSPT/NPT
Drain Connection	½" (m) BSPT/NPT

LINE DRAWING FOR MOUNTING*

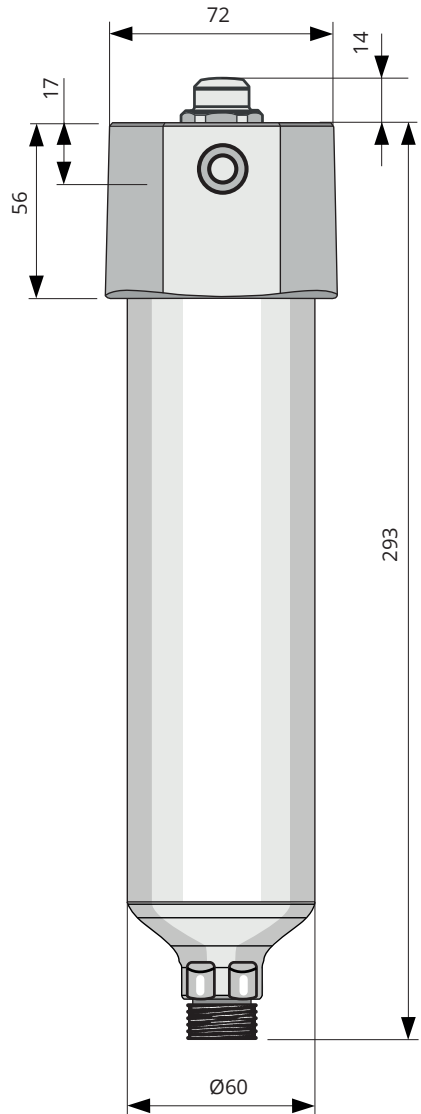


BOX CONTENTS

QTY

Expel 30 Unit	1
Mounting Bracket	1
Bolts M6 x 8 mm	4
Fixing Screws	4
Manual	1
¾" to ½" bspt / npt female, flush fitting reducing bush	2

PRODUCT LINE DRAWING*



Manual and Automatic drains available
contact us or visit: www.originalavg.com

* Not to scale

FEATURES	ADVANTAGES	BENEFITS
Removes 99.999% of particulates to 1 micron	Achieves clean air by removing a significant percentage of solid particulates from the air.	Protects equipment from a build up of solid contaminants that can cause blockages and damages.
Extremely low pressure drop across unit (Max. 0.1 bar)	Reduction in energy usage and more efficient compressed air usage	Reduction in energy costs due to the compressor not having to work so hard to maintain system pressure.
Removes 99.999% of all liquid water	Achieves liquid free, dry air	Protects tools and equipment from water ingress, corrosion and expensive maintenance and repair costs as a result of this.
Combined removal of liquids and particulate contaminants from one filter.	Can replace up to 3 traditional compressed air filters with one unit	Initial purchase costs and lifetime operation costs reduced
Internal filter can be removed, cleaned and refitted	No replacement filter elements required, and reduced wastage.	Significant cost savings that are commonly associated with replacement filter elements and labour.
Manufactured from Stainless Steel 304	Highly robust, durable and corrosion resistant material.	Suitable for a number of specialist applications, within industries such as medical, food and beverage, offshore oil and gas etc.

FEATURES	ADVANTAGES	BENEFITS
Easy to dismantle	Allows routine inspection and cleaning to be undertaken with ease, with minimal downtime or disruption	Saves time associated with regular maintenance where required and allows for ease of removing any blockages that may occur from debris within the air system. The element does not require replacment
No direct power source required	Allows installation where electrical power sources are unavailable.	No electrical energy costs associated with the operation of the unit
Pressure indicator fitted as standard	Provides a clear visual indication when the unit is under pressure	Acts as a warning not to open the pressurised vessel for health and safety benefits. Unit cannot be opened when more than 0.5 bar pressure is applied.
Quick locking coupling between head and body	Ease of opening / closing, and locks unit when under a minimum 0.5bar pressure	Prevents the unit from being opened when under pressure
Designed and Tested to ISO12500 Standard	Latest ISO standard, specifically for Compressed air filtration, as opposed to ISO8753 which is developed to assess the air quality of a complete system.	Meets stringent testing standards for the quality and performance of compressed air filters

PRODUCT OVERVIEW

The new EXPEL automatic float drain is designed to discharge liquids and particulates extracted from your compressed air system by the EXPEL range of compressed air filters.

The unit is designed for working pressures up to 16 bar, and is screwed directly to the base of the EXPEL.

This product is suited towards environments where high levels of condensate are frequently experienced.

A 6mm diameter pipe can be connected to the base of the drain to control the flow of the discharged fluid into a suitable container for disposal.



Part Number: 6100-023-AA

Part Number	Inlet Thread	Outlet	Min. Working Pressure	Max. Working Pressure	Min. Working Temp.	Max. Working Temp.	Initial Discharge Value	Maximum discharge Capacity
6100-023-AA	½" Female BSPT	6mm Diameter	1.5 Bar	16 Bar	1.5°C	85°C	22ml	84 L/H



FEATURES

- 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

DO YOU HAVE PROBLEMS WITH WATER, EMULSION FLUIDS
(OIL MIX) AND PARTICLES IN YOUR COMPRESSED AIR SYSTEM?



EXPEL REMOVES 99.9999% OF ALL AIRBORNE CONTAMINATION
LEAVING YOUR COMPRESSED AIR CLEAN AND DRY.

TRY IT AS WE GUARANTEE IT!

SPECIALISED COMPRESSED AIR FILTRATION



originalAVG

www.originalavg.com

For any further questions or technical support please don't hesitate to contact Original AVG on +44 (0)345 50 50 222 or email info@originalavg.com