

expel[®]

World's first cleanable and reusable compressed air filter



EXPEL CONTINUALLY REMOVES **99.999%** OF...



...WATER



OIL EMULSION FLUIDS



SOLID PARTICULATES

REDUCE COSTS

Drastically **REDUCES** maintenance, repair and energy costs



Max. pressure bar drop is just 0.1 bar, which unlike traditional filters, never increases with use. This saves energy.



NO replacement filter elements required



5 year guarantee



Robust and built to last



REDUCE DOWNTIME & MAINTENANCE

Solves and prevents damage to equipment caused by liquid water



NEVER reduces in performance



Reduces maintenance of air tools



Expel replaces...

- Bulk water separator
- Particle filters to 1 micron
- Coalescent filters



EFFICIENCY

TRADITIONAL FILTER	60-80%
EXPEL	99.9999%

"We finally have no water going to the guillotine, this is an excellent product"
Chris Kosolowski, Bar Line Production Manager, Nutrition Group Plc

Expel range

■ EXPEL 2

Flow rate for a 7 bar (g) system

Operating pressure

Liquid water removal

Oil emulsion removal

Particulate removal

Inlet/Outlet connection

Drain connection

Part Number: 6000-016

0.1-3cfm

1-8 bar(g) | 15-116 psi(g)

Yes

Yes

1 micron

¼" BSPT

1/2" (m) BSPT



■ EXPEL 10

Flow rate for a 7 bar (g) system

Operating pressure

Liquid water removal

Oil emulsion removal

Particulate removal

Inlet/Outlet connection

Drain connection

Part Number: 6000-000

4-10 cfm

1-15 bar(g) | 15-217 psi(g)

Yes

Yes

1 micron

¼" BSPT

1/2" (m) BSPT



■ EXPEL 30

Flow rate for a 7 bar (g) system

Operating pressure

Liquid water removal

Oil emulsion removal

Particulate removal

Inlet/Outlet connection

Drain connection

Part Number: 6000-003

4-30cfm

1-15 bar(g) | 15-217 psi(g)

Yes

Yes

1 micron

¾" BSPT – with ½" reducer

1/2" (m) BSPT

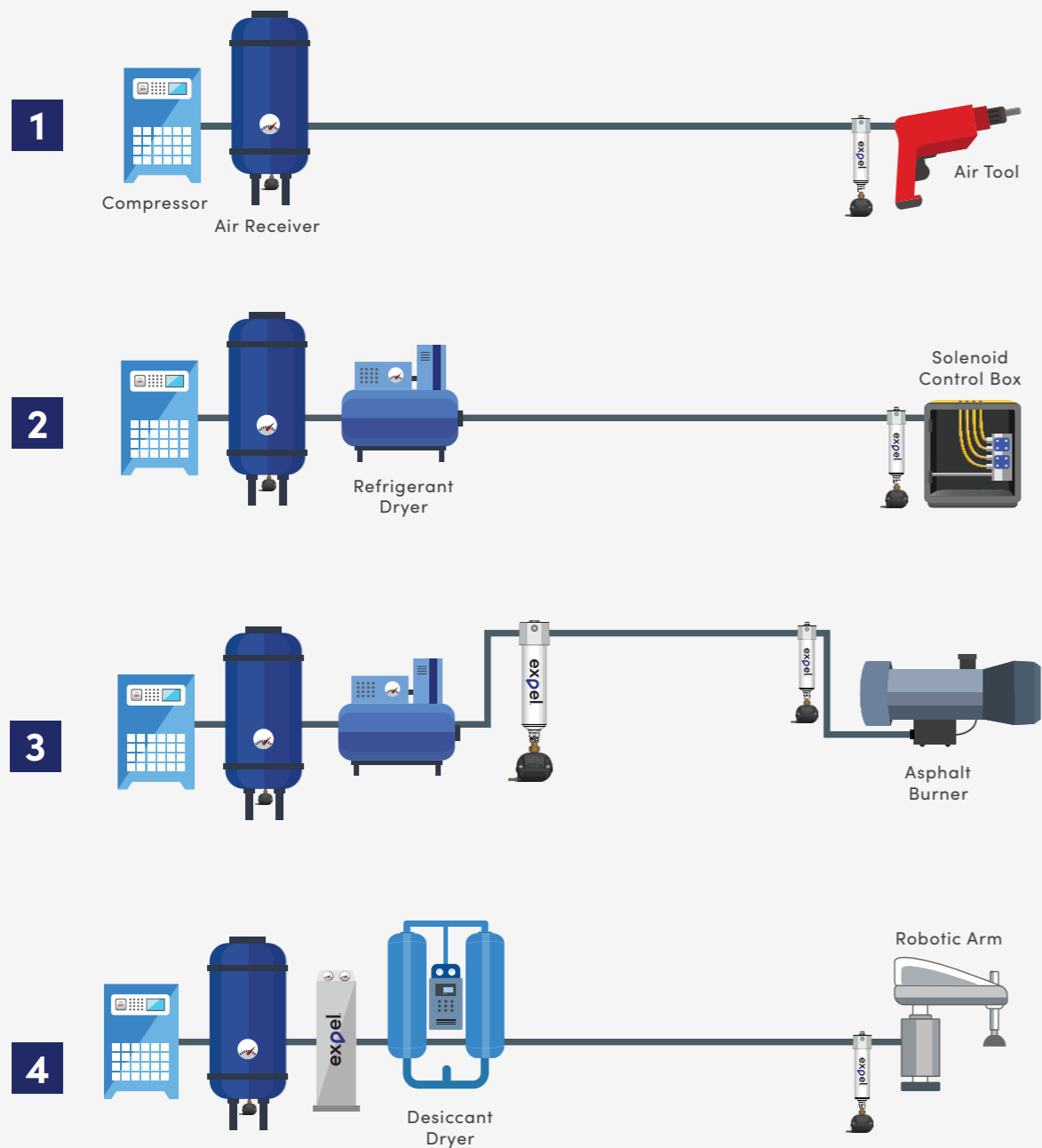


5 year guarantee

* technical specifications available at www.originalavg.com

expel.

Where to Install Expel?



- NO ICE

- NO WATER

- NO OIL EMULSION FLUIDS

- NO RUST OR DIRT


Please note: The flow rate of your compressor and piping size will determine which size Expel unit you require. Please contact us for further information.

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Expel is on all of my plants, I would highly recommend it and I have been recommending it too!

Steve Pointon - Operations manager



AVG Auto-Drains

AVG Auto-Drains are essential for your Expel unit to function correctly.

Other applications include:

- Inter-coolers
- After-coolers
- Dryers
- Air receiver tanks
- Drip legs



Automatic



Corrosion
resistant



Cleanable



No electricity
required



AVG AD Zero Pressure Loss 1
Part number: 5000-200

- 1/2" top male inlet
- Discharge valve orifice 2mm
- 200 litres of condensate per hour
- Pressure range 0-16 bar
- Bottom outlet can be rotated 360° for installation simplicity
- Zero pressure loss
- Fit and forget
- Recommended if Expel is near a wall



AVG AD Zero Pressure Loss 2
Part number: 6100-032

- Top and side 1/2" female inlets for installation flexibility and so a heater can be attached for those operating in particularly cold climates
- Discharge valve orifice 2mm
- 200 litres of condensate per hour
- Pressure range 0-16 bar
- Zero pressure loss
- Fit and forget
- Ideal for air receiver tanks with limited space underneath for drain



AVG AD PRO
Part number: 6100-033

- Top and side 1/2" female inlets for installation flexibility and so a heater can be attached for those operating in particularly cold climates
- Discharge valve orifice 2mm
- Pressure range 3-16 bar
- 1062 litres of condensate per hour
- Can drain large solid particles
- Test button for routine maintenance
- Ideal for air receiver tanks with limited space underneath for drain
- Ideal for environments that have very wet, dirty airlines

* technical specifications available at www.originalavg.com

AVG Regulators

Pneumatic regulators maintain constant output pressure when installed in pneumatic lines.

Temperature range -5 to +70 °C



AVG Regulator 0.25
Part number – 2514-006

- Connection Size – ¼"
- Pressure regulation range (bar) – 0.5–12 bar
- Housing material – Zinc alloy



AVG Regulator 0.5
Part number – 2514-003

- Connection Size – ½"
- Pressure regulation range (bar) – 0.5–12 bar
- Housing material – Zinc alloy



AVG Regulator 0.75
Part number – 2514-004

- Connection Size – ¾"
- Pressure regulation range (bar) – 0.5–12 bar
- Housing material – Zinc alloy



AVG Regulator 1
Part number – 2514-007

- Connection Size – 1"
- Pressure regulation range (bar) – 0.5–12 bar
- Housing material – Zinc alloy

* technical specifications available at www.originalavg.com

AVG Oil/Water Separators

Environmental regulations strictly prohibit disposing of oil contaminated condensate without proper treatment to remove the oil.

All of our AVG Oil/Water Separators successfully remove:

- Mineral lubricants
- Synthetic lubricants
- Stable condensate emulsions
- Polyglycol, Roto-Inject, Sigma Mol



AVG Oil/Water Separator 2
Part number: 6100-036

- Ideal for small, compressed air applications: Max compressor capacity 2m³/min (70cfm)
- Max. oil adsorption in the elements is 2 litres
- No separate replacement elements making servicing a quick and clean process
- The AVG Oil/Water Separator 2 does not incorporate a settling reservoir (no bacteria growth)
- Relevant fixings and installation bracket for wall mounting included
- Test valve and sample bottle to test oil ppm residue included as standard



AVG Oil/Water Separator 3.5
Part number: 6100-037

- Max. compressor capacity 3.5 m³/min (125 cfm)
- Max. oil adsorption in the elements is 4 litres
- Simple, fast and clean installation and maintenance procedure
- Fixing bracket for wall mounting optionally available
- Test valve and sample bottle to test oil ppm residue included as standard

* technical specifications available at www.originalavg.com

AVG Oil/Water Separators 5-60

- Five models covering up to 60 m³/min (2500 cfm) compressor capacity offering sizing flexibility
- **Note:** For larger capacities (up to 60m³/min.) apply the AVG DISTRIBUTOR
- Element life indicator, offering you a visual indication of the element life status
- Simple installation and maintenance procedures
- Sectional service draining options during servicing
- Multiple condensate inlets with brass inserts for hard piping installations
- Large 1" output capacity
- 2 x ½" inlet ports
- Test valve and sample bottle to test oil ppm residue included as standard
- Service packs available



AVG Oil/Water Separator 5
Part number: 6100-038

- Max. compressor capacity: 5m³/min (175cfm)
- Max. oil adsorption: 5 litres



AVG Oil/Water Separator 10
Part number: 6100-039

- Max. compressor capacity: 10m³/min (350cfm)
- Max. oil adsorption: 10 litres



AVG Oil/Water Separator 20
Part number: 6100-040

- Max. compressor capacity: 20m³/min (750cfm)
- Max. oil adsorption: 15 litres



AVG Oil/Water Separator 30
Part number: 6100-041

- Max. compressor capacity: 30m³/min (1250cfm)
- Max. oil adsorption: 25 litres



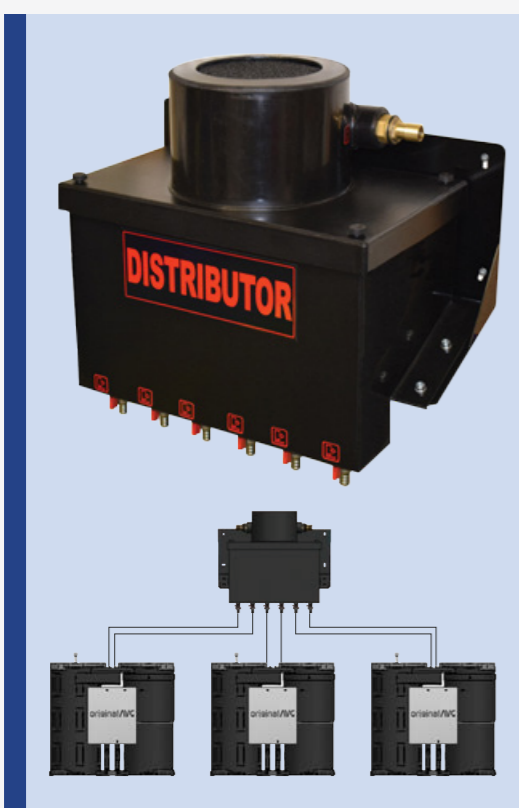
AVG Oil/Water Separator 60
Part number: 6100-042

- Max. compressor capacity: 60m³/min (2500cfm)
- Max. oil adsorption: 50 litres



AVG Oil/Water Separator Service Packs

- The chosen element fibres have been specially selected and treated to maximise its supreme adsorbing performance
- Increased filtration efficiency and easy servicing procedures
- Protective clothing kit included
- Service friendly lifting handles



AVG Distributor Part number: 6100-044

Large compressor systems might require two or more oil/water separators to be installed to match the total compressor capacity of an installation.

To connect the oil/water separators together and to ensure an even distribution of condensate into the oil/water separators, you require the AVG DISTRIBUTOR.

- Allows you to connect up to 6 AVG Oil Separators
- The equal condensate distribution ensures even filter element saturation
- Streamlining of element servicing intervals
- Two 1" condensate inlet and six 1/2" outlet options
- Integrated ball valves allowing local shut-off for servicing purposes
- Supplied with complete installation kit

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We finally have no water going to the guillotine. This is an excellent product.

Chris Kosolowski - Bar Line Production Manager





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