

# Engine Breathers

Excellent oil mist and moisture removal  
with low or negligible pressure drop



Protecting People, Property and our Planet

**Our knitted mesh Engine Breathers remove 99% of all oil droplets (sized typically from 3 – 10 microns), whilst the high free-volume ratio results in minimal pressure drop – often less than 5 mbar across the component.**

KnitMesh supplies a range of knitted mesh air/oil separator elements and oil filler cap breathers for use in automotive, marine and other applications.



## Principles of Operation

Environmental legislation is placing increasing demands on internal combustion engine manufacturers to reduce emissions from crankcase breather systems.

Meeting the latest environmental standards, KnitMesh manufactures a range of knitted mesh air/oil separator elements and oil filler cap breathers for use in automotive, marine and other applications.

Typical efficiencies of 99% removal of all oil droplets between 3 and 10 microns are achievable, coupled with minimal pressure drop – often less than 5 millibar.

Engine Breathers are usually produced using galvanised steel wires. Additionally, stainless steel and other alloys can be used where enhanced corrosion and temperature resistance is required.

## Features & Benefits

- Highly effective removal of oil and moisture droplets
- High free volume yields minimal pressure drop
- High corrosion and temperature resistance
- Available in a wide range of sizes and materials
- Manufactured using state-of-the-art techniques
- Low cost tooling and rapid prototyping
- Cost effective over alternative solutions

## Quality Assurance

KnitMesh Technologies® is accredited to:  
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,  
PAS 99:2012 and IATF 16949:2016



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