

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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