



MICRO-MESH
FILTRATION

LEADING UK FILTER MANUFACTURER

MMRE Series Tank Top Return Line Filter

The MMRE series tank top return line filter **incorporates an air breather and fluid level gauge.**

Utilising this unique and compact design reduces the footprint required to fit a separate air breather, fluid level gauge and return line filter.



Filler cap, bypass and element spigot

Filter breather



Filter element and bowl



*Filter head assembly:
breather vents, baffle,
level gauge, pressure
indicator and tank seal*



Benefits:

- Small footprint
- More free tank space
- Quick and easy operation / element changes
- All in one
- Light weight
- Cost affective
- Reduces the number of tank openings
- Reduces the risk of leakages

**STANDARD TANK SET UP****MMRE CLUTTER FREE****MMRE technical specification:**

- Burst pressure: min. 10 bar
- Oil flow rate: max. 130l/min
- Air flow rate: max. 1350l/min
- Element collapse pressure: 10 bar
- By-pass opening pressure: Δp 1.7 bar +/- 10 %
- Operating Temperature: -10° C to 100° C (standard seals)
- Materials: Aluminium head, plastic bowl
- Filter media: Microglass
- Micron ratings: 3, 6, 12, 25 μ ; β = 1000
- Options: Pressure indicators, extension tubes
- Compatibility: Suitable for mineral oils, lubrication oils, non-flam fluids, synthetic and rapidly biodegradable oils according to ISO2943
- Tested according to ISO standards: ISO2941 Collapse/ burst resistance, ISO2942 Fabrication integrity, ISO2943 Material compatibility integrity, ISO3723 Method for end load test, ISO3724 Flow fatigue characteristics, ISO3968 Pressure drop vs. Flow, ISO16889 Multi-pass (filtration performance)

United Kingdom Head Office

Micro-Mesh Engineering Ltd.
Innovation House
Dabell Avenue
Nottingham
NG6 8WA

Tel: +44 (0)115 975 29 29
Fax: +44 (0)115 975 11 75
Mail: enquiries@micro-mesh.co.uk



www.micro-mesh.co.uk

India Office

Micro-Mesh Engineering India Pvt. Ltd.
Plot no. 39
IDA, Phase-V
Charlapalli
Hyderabad - 500 051

Tel: +44 (0) 1159 752 929
Fax: +44 (0) 1159 751 175
Mail: enquiries@micro-mesh.co.uk
ramana@micro-mesh.com

