



LONG LIFE FILTER

**LOW MAINTENANCE
HIGH EFFICIENCY
REDUCED LIFE-CYCLE COST**

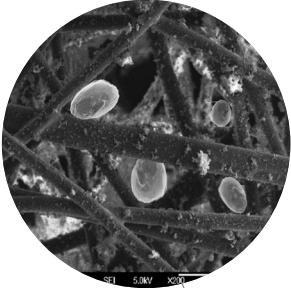


MERAK

Long Life Filter

A proprietary combination of materials offers higher filtration efficiency with lower pressure drop, ensuring a safe journey for passengers.

Dust, Aerosols & Bacteria



Environmentally Friendly

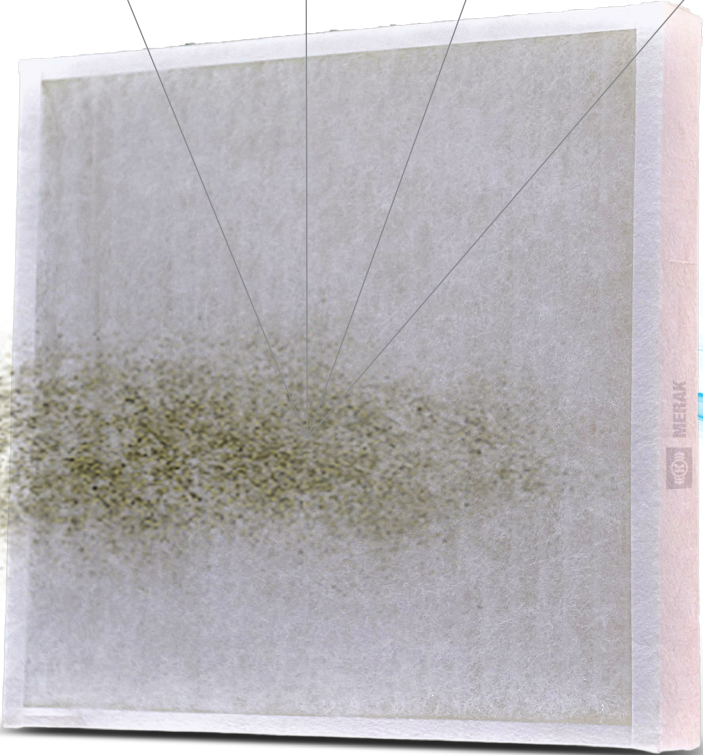
- Generating less waste for the planet
- Lean logistics

Service Life

- Low maintenance
- Reduced life cycle cost
- 100% retrofittable

Easily Fitted

- In new and existing projects of all rail vehicle applications.
- Drop-in replacement



clean[air]

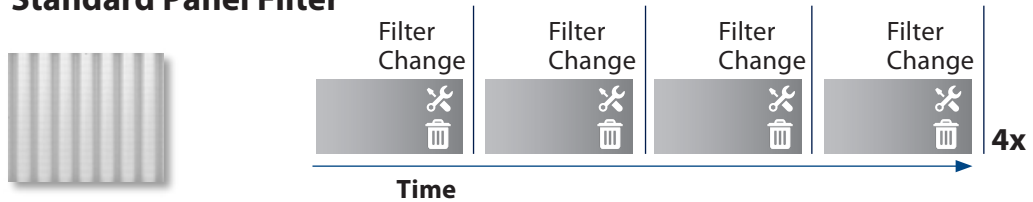
Features

Knorr-Bremse has set a new benchmark in panel filters technology. Lasting up to 4 times longer than standard commercial panel filters, while occupying the same space, the long-life filter can be fitted in almost any new / old HVAC equipment¹.

Merak Long Life Filter



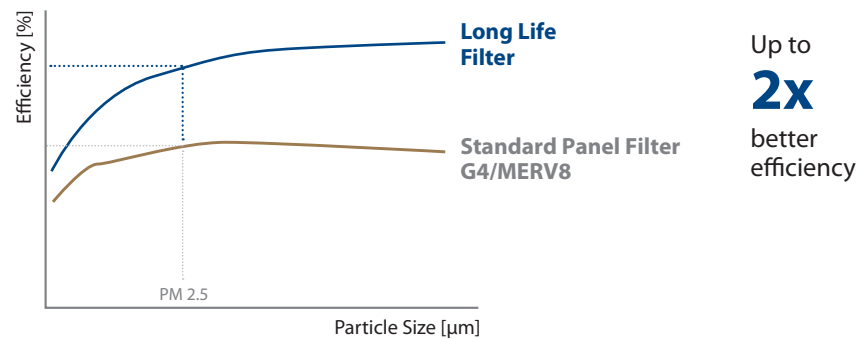
Standard Panel Filter



¹Relative filter service life depends on the environment and project application.

*The Merak Long Life Filter design is completely free of metal or glass-fiber parts. All components are based on pure-grade recyclable fibers.

Efficiency



Technical Data

Efficiency Class	ePM10 50%, according to ISO 16890 MERV 9 (ASHRAE 52.2)
Efficiency for 2.5 µm particles	After the first weeks of use: >80%
Dimensions fully customizable ²	W x H x D mm
Typical air speed range	1 – 2,5 m/s
Typical pressure drop	40 – 65 Pa
Max. operating moisture	100%
Fire & Smoke classification	HL3 (EN 45545-2 R5)

²Standard Depth: 48 mm.

We reserve the right to make technical modifications.

Knorr-Bremse España, S.A. Merak

Calle Miguel Faraday 1
28906 Getafe
Spain
Tel: +34 911 459 400
Fax: +34 911 459 444
merak@merak-hvac.com
www.merak-hvac.com



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