



Available in Stainless Steel,  
Galvanised Steel and Aluminium

### THE GREASE FILTER

Longar introduces the Airgard Type 4 grease filter which is the result of years of experience in the manufacture and supply of filters. Airgard Type 4 is a cost-effective and superior grease filter option, with a wide selection of widths and materials.

Our grease filters are of robust construction and are used for grease and dust collection (grease eliminator). They are ideal as a pre-filter of large particle contaminants and are widely used in high air volume installations. They are also fitted in general heating and ventilating systems where above average air velocities are prevalent, to control larger particle contaminants. The Airgard Type 4 also controls the grease and oil mist build-up found in ducting systems which can be a common cause of ducting fires.

### FEATURES

- Airgard Type 4 grease filters are made using an expanded metal filtration pad and a rigid solid metal U-shaped channel as the frame.
- Our grease filter panels combine low pressure loss with high grease arrestment thanks to our patented expanded mesh design.
- Airgard Type 4 comes standard with a protective film on the frame and the filtration pad uses expanded metal layers which do not disintegrate easily with washing.
- Multi-layer construction adds to the rigidity of the panel and there is little chance of particles breaking off the mesh pad as found in 'Knitmesh' filters, which can be hazardous.
- Stock sizes are available within 3 days, and custom sizes 5 days from date of order.
- Handles and drain-holes available.
- Service life of the Airgard Type 4 is extended due to our unique expanded metal pad which withstands cleaning and maintenance to a higher degree than the conventional knitmesh pad.

## CONSTRUCTION DETAILS

**Media:** Expanded patented mesh in aluminium, galvanised steel or stainless steel (AISI 304)

**Frame:** Strong U shaped channel in aluminium, galvanised steel or stainless steel (AISI 304) supplied with a plastic protective strip (not galvanised steel).

**Panel thickness:** Panels are available in actual thicknesses of: 95mm, 50mm, 45mm, 40mm, 25mm, 20mm, 12mm, 10mm and 8mm. (+/- 0.5mm).

**Support Mesh:** Longar Q14 mesh is used in the grease filter as the support mesh.

**Panel dimensions:** All panel dimensions are actual (+/- 2mm tolerance). Custom size filter panels are available within 5 working days.

**Handles:** Folding handles can be supplied as an optional extra, either loose or fitted. These are usually fitted on the short side of the filter, but this can be changed on request).

**Drain holes:** Are available as an option for people with drain channels, drip trays etc.

**Housings:** We can supply housings and filter holding frames, double or single sided in modular form or to your own specification.

Panel Thickness	20mm	45mm
<b>Air Velocity (m/s)</b>	<b>Pressure Drop Pa</b>	<b>Pressure Drop Pa</b>
0.5	2	2
1.0	6	8
1.5	12	16
2.0	22	29
3.0	44	57
4.0	77	99
5.0	118	151
Final Recommended Resistance (Pa)	130	130
Average Arrestance	<65%	>65% <80%
RH Operating level = 100%		
Temperature Operating Level = 65°C (continuous)		
Fire Rating = UL Class 2		
Information supplied applies to all sizes of filter panels.		

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