



RETURN AIR GRILLE RAG SERIES



General Description

Pearl Filtration's RAG Series filter provides a low cost alternative to standard Panel Filter models. They operate with a low pressure drop, best suited for use in return air grilles and domestic console units.

Construction

The RAG Series frame is manufactured in aluminium. Thickness is either 9 or 11 mm. For larger filters, supports are fitted to the air leaving side at a nominal 300 mm spacing.

Filter media installed within the frame is either G2 rated or Electrostatic media.

The media is secured in place with a rubber seal around all edges, which is glued in place.

Cleaning and Maintenance

RAG Series filters can be cleaned but care must be taken to ensure the filter is not damaged in the process. It is not recommended to use any cleaning solutions. Media should be dried and inspected for any damage before reinstalling the filter. Cleaning may cause a reduction in filter performance.

Available sizes

Dimensions (mm)
535 × 535
535 × 890
535 × 1135

Return Air Grille filters are available in all the above sizes. Any other sizes can be manufactured upon request. Nominal thickness is either 9 or 11 mm.

G2 Media

As this style of filter is loaded over time, their collection efficiency and pressure drop increase. Eventually the high pressure drop will restrict air flow and the filter will need cleaning and eventually replacement.

Initial Pressure Drop: 25 Pa
Recommended Final Pressure Drop: 125 Pa

Electrostatic Media

Electrostatic media filters the air by the use of static electricity. The media is manufactured in such a way so that when air flows through the filter it creates a static charge. It is this static charge which attracts particles. The charge and filter efficiency will decrease over time as particulate loading increases.

The filter must be cleaned frequently to remove any attached particles, which will restore the static charge on the filter. If maintained properly, an electrostatic filter would have a much longer life than that of a filter made from G2 media.

Claim

To our best knowledge at present time, information contained herein is accurate. We do not assume any liability whatsoever for the accuracy and completeness of the information contained here within. Therefore final determination of suitability of any material is the sole responsibility of the user(s). Recipients of our products must take necessary measures and responsibilities in order to comply with related local government regulations and laws.