

Pressure relief flap (PRF)

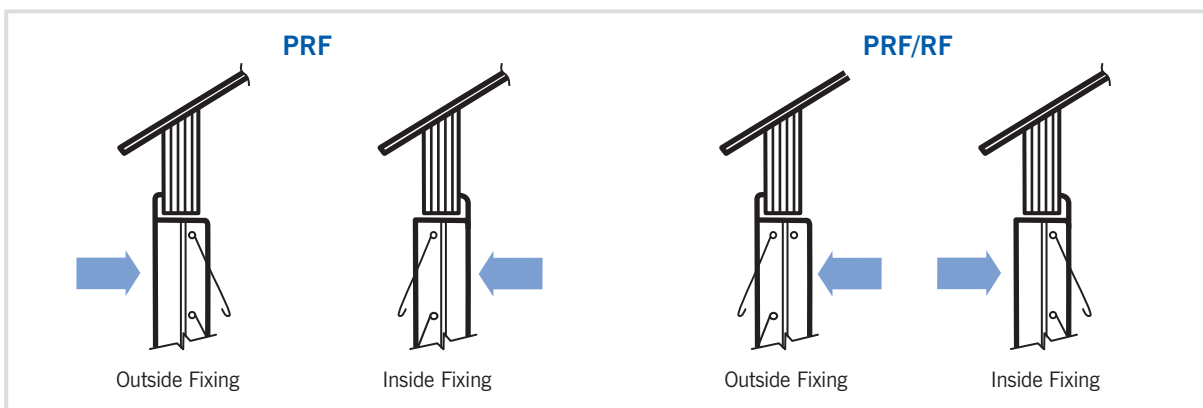
Pressure relief flaps (PRF) permit the flow of air in one direction only. The gravity controlled hinged flaps open at very low pressure differences. The opening pressure difference can be adjusted by the addition of weights to the flaps. PRF's are

normally used in walls or partitions to exhaust air. They are not suitable for use in doors or in duct systems as back draught shutters. They are not air-tight. PRF flaps are light gauge aluminium hinged on

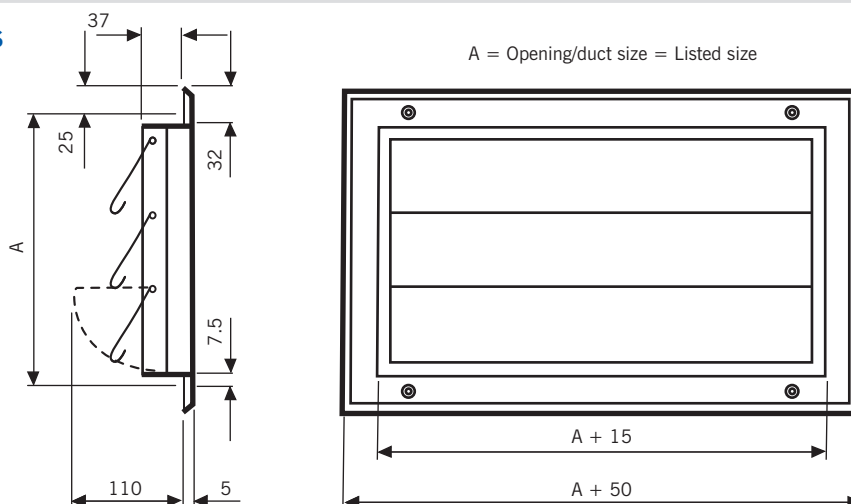
duraluminium rods, turning in nylon bearings. The frame is made of aluminium extrusion with mitre joints. The frame is stove enamelled RAL 9006, but the flaps are natural aluminium.

V01

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Dimensions



The units are manufactured in increments of 75mm up to 625mm x 1825mm high. Larger units can be supplied in sections.

Fixing methods

Screw fixing through flange (standard)

Performance data

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To select an opening size to give a suitable velocity for the volume of air to be handled. From the point where the selected dimensions cut the pivot line P-P to the volume

required, a straight line cutting the resistance line for zero weights will indicate the pressure drop. If this is insufficient, cross the grid normal to the resistance line and

on the appropriate scale read the pressure drop for units with weights 1 to 4.

