

AS *Auto Shutter*





Introduction

Usually used for wall installation, Prudent Aire Auto Shutter are designed to prevent backflow of air. It can also be used to automatically shut-off or isolate a section of the system to prevent ingress of undesirable vapour and vermin. The damper is opened by the air pressure differential between two sides and it closed by help of gravity.

CONSTRUCTIONS & MATERIALS

- Parallel blade action
- Wall installation
- Stainless steel construction available

Frame



Aluminium
(Size dependent)



Galvanized Steel



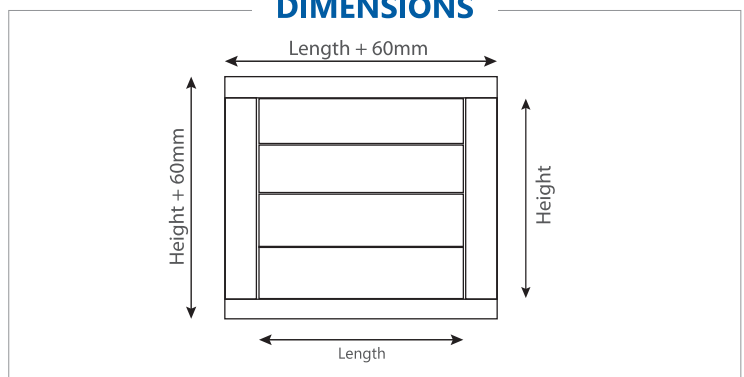
Aluminium
(For length < 600mm)



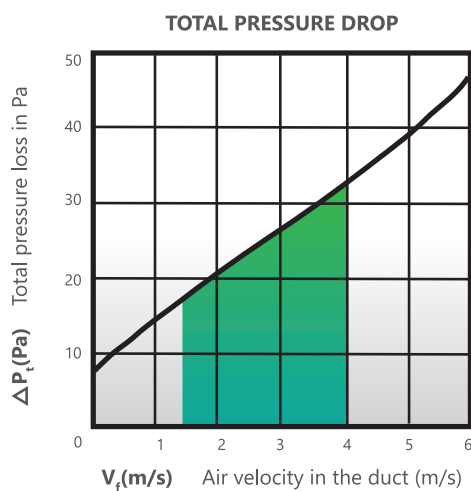
Galvanized Steel
(For length > 600mm)

Blade

DIMENSIONS



AERODYNAMIC PERFORMANCE



TECHNICAL SPECIFICATION

Frame Construction:

1. Frame to be in galvanized steel. Frame thickness should be in minimum 0.6mm thick, unless otherwise stated.
2. The margin to be in 30mm from the neck height to the edge.
3. Frame height to be in 40mm.

Damper Blade Assembly:

1. 0.5mm thick single skin configuration. The individual blade to be in single V-grooves design. Blade operation to be of parallel blade action with linkage system. 6.0mm galvanized steel full length shaft to be provided for each blade section.
2. Damper blade to be operated mechanical airflow pressure only.
3. Material provided to be galvanized steel, unless otherwise stated.

Linkage Cover & Side Seals:

1. 1.0mm pre-formed angles to be welded to the damper casing assembly to provide both blade stop and sealing functions.
2. Material provided to be galvanized steel, unless otherwise stated.

Finishing:

1. White powder coated, oven baked as standard. RAL 9010 SG or HY 1001/A127. Others available upon request.