

# AIRGARD® Type 2

## High Performance Premium Baffle Filter



### AIRGARD® TYPE 2 FEATURES:

- 100% Flame barrier protection to DIN 18869-5
- Cutsafe safety edges.
- Fully welded construction – all stainless steel construction.
- Meets insurance requirements.
- Meets HVCA DW172 requirements.
- Folding handles and drainholes as standard.
- Robust baffle filter construction – built to last.
- Tested & certified to European standard DIN 18869-5.
- Tested & certified to American standard ULI046.

### APPLICATIONS

- Commercial kitchens
- Water mist separation
- Spark arrestors
- Sand filtration
- Grease filtration

### AIRGARD® TYPE 2 PREMIUM BAFFLE FILTER

For use in commercial kitchens and ventilation to extract grease laden air and act as a fire barrier. Fire barriers prevent any cooking flames traveling past the extract canopy. The new Type 2 is a development of customers requesting certain attributes for the baffle filter, the main ones being safety edges on frame and blades. Airgard® Type 2 is available in standard depths of 20mm and 45mm depths, this is required for the filter to operate at a constant efficiency and to protect the system as a flame barrier as tested to European Standard DIN 18869-5 and American Standard ULI046. Custom sizes are available on request.

### CONSTRUCTION / MATERIAL SPECIFICATIONS

As standard all baffles are manufactured with Stainless Steel 430 polished finish, (Other finishes and materials are available).

### FITTING INSTRUCTIONS

- Fit products, handles in direction of air in.
- Product vertical in air stream.

### HANDLING

- Handle with care when unpacking.
- Store in dry and frost protected place.

### MAINTENANCE

- All maintenance should be carried out in accordance with the planned maintenance set by installation contractor.
- When handling any components suitable PPE should be used - gloves, eye protection and access equipment.
- Filters should be cleaned by a trained operative either daily for heavy use or weekly for light use.
- For more exact guide to cleaning you should contact a cleaning specialist.

### PACKAGING

- All units are packaged in double wall boxes with separators for standard sizes, glued closed for protection whilst in transit against contamination.

For technical specifications, part numbers and ordering information, please see overleaf.

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### TECHNICAL SPECIFICATIONS

Longar specifies the baffle filter as height x width x thickness. The handles are fixed to the height and drain holes punched on the width. The length of the baffle blade is the height; please ensure correct orientation is given when ordering.

SIZE ORDERING GUIDE (TOLERANCES +/- 2mm)				
Part Number	Actual Size HxWxD	Nominal Size HxWxD	Weight	Filter Free Area
TYPE2ST10X20X2	243 x 496 x 45mm	254 x 508 x 50mm	1.40kgs	0.08m <sup>2</sup>
	9.57 x 19.53 x 1.77"	10 x 20 x 2"	3.08lbs	0.86ft <sup>2</sup>
TYPE2ST12X20X2	295 x 496 x 45mm	304 x 508 x 50mm	1.61kgs	0.09m <sup>2</sup>
	11.61 x 19.53 x 1.77"	12 x 20 x 2"	3.54lbs	1.02ft <sup>2</sup>
TYPE2ST16X16X2	395 x 395 x 45mm	406 x 406 x 50mm	1.54kgs	0.10m <sup>2</sup>
	15.55 x 15.55 x 1.77"	16 x 16 x 2"	3.39lbs	1.05ft <sup>2</sup>
TYPE2ST16X20X2	395 x 496 x 45mm	406 x 508 x 50mm	1.96kgs	0.13m <sup>2</sup>
	15.55 x 19.53 x 1.77"	16 x 20 x 2"	4.31lbs	1.40ft <sup>2</sup>
TYPE2ST18X18X2	444 x 444 x 45mm	457 x 457 x 50mm	1.98kgs	0.13m <sup>2</sup>
	17.48 x 17.48 x 1.77"	18 x 18 x 2"	4.36lbs	1.40ft <sup>2</sup>
TYPE2ST20X16X2	496 x 395 x 45mm	508 x 406 x 50mm	1.93kgs	0.12m <sup>2</sup>
	19.53 x 15.55 x 1.77"	20 x 16 x 2"	4.25lbs	1.32ft <sup>2</sup>
TYPE2ST20X20X2	496 x 496 x 45mm	508 x 508 x 50mm	2.41kgs	0.16m <sup>2</sup>
	19.53 x 19.53 x 1.77"	20 x 20 x 2"	5.30lbs	1.76ft <sup>2</sup>
TYPE2ST24X24X2	597 x 597 x 45mm	609 x 609 x 50mm	3.15kgs	0.24m <sup>2</sup>
	23.50 x 23.50 x 1.77"	24 x 24 x 2"	6.93lbs	2.56ft <sup>2</sup>
FINAL RECOMMENDED PRESSURE DROP: 400 PASCALS				

Pressure drop and airflow information available on request.



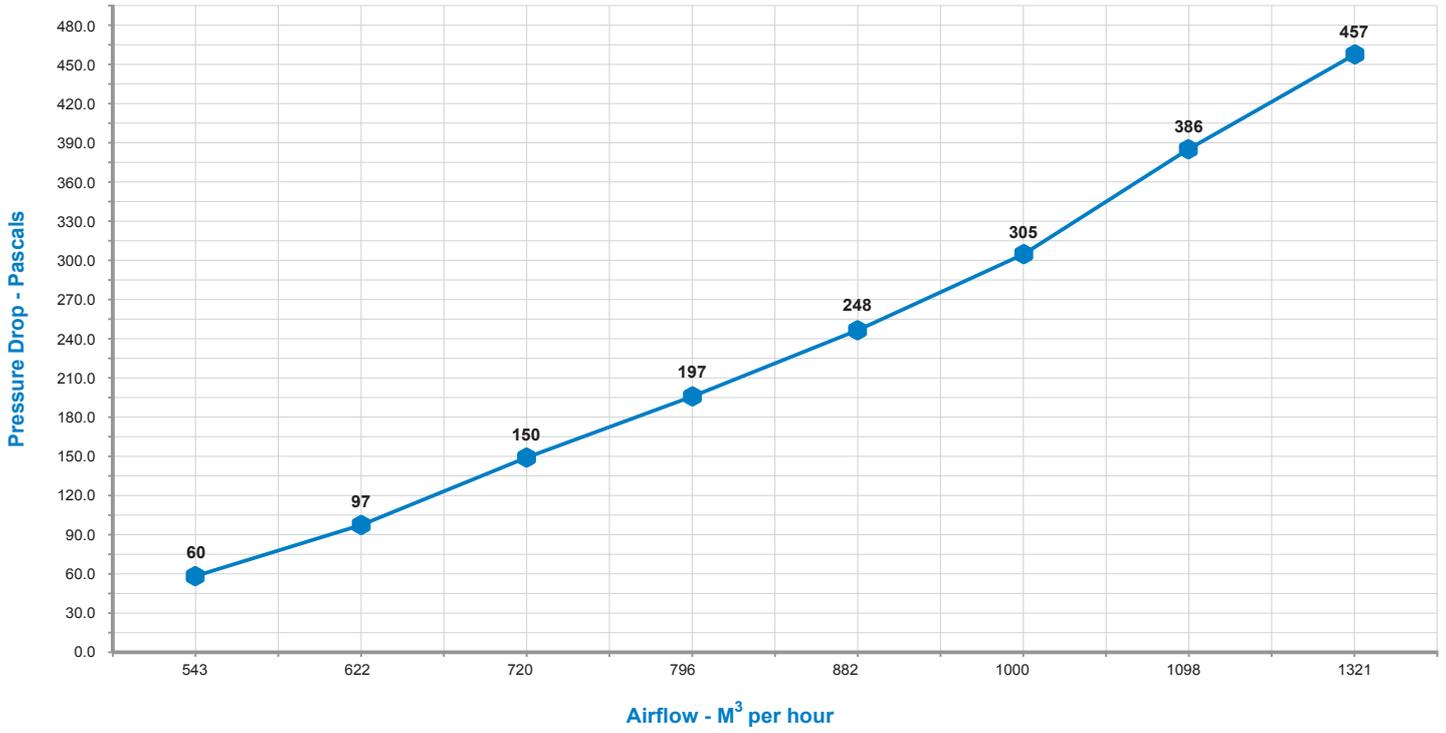
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FILTERS AND FABRICATIONS FOR A CLEANER ENVIRONMENT

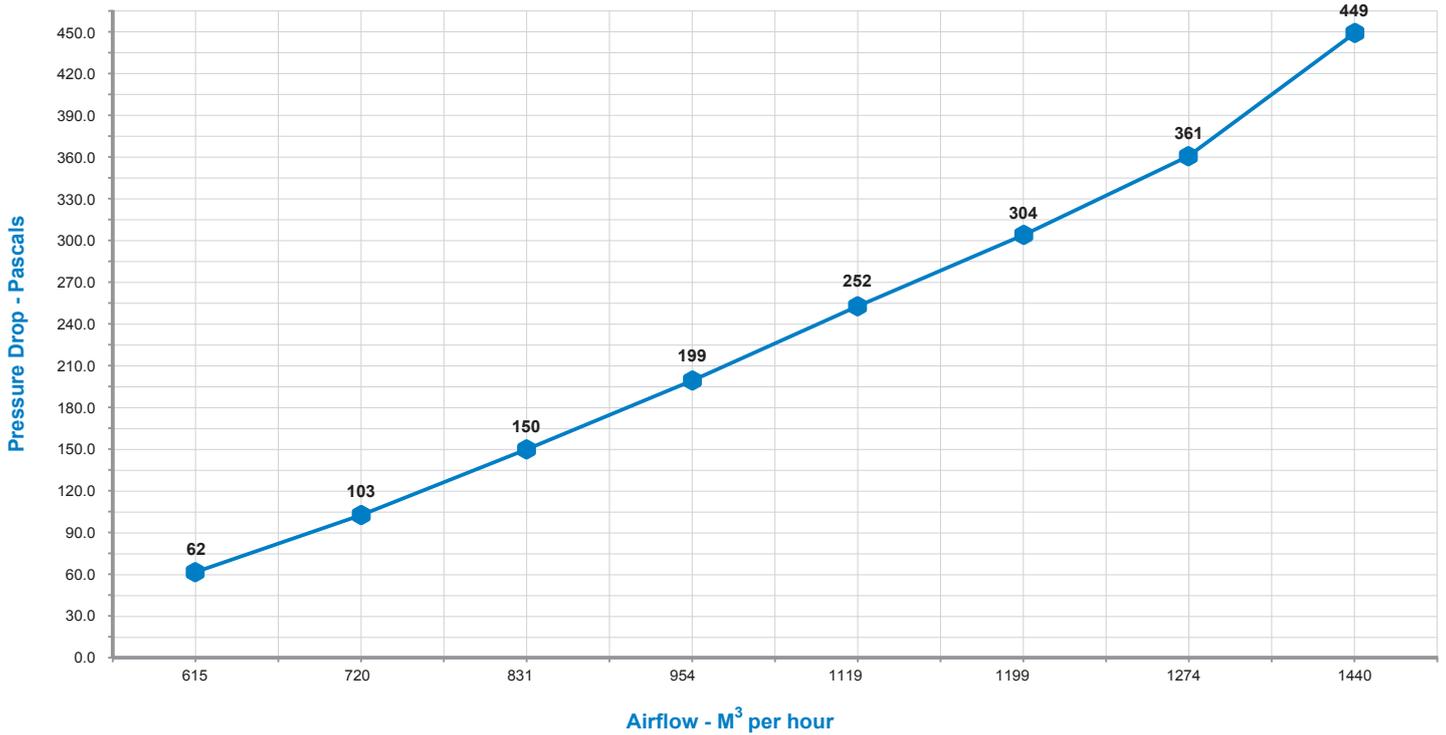
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As part of our program for continuous improvement, Longar Ltd reserves the right to change specifications without notice. 15-01-2016.

## Airgard® Type 2 Baffle Filter - 243x496x45mm



## Airgard® Type 2 Baffle Filter - 295x496x45mm



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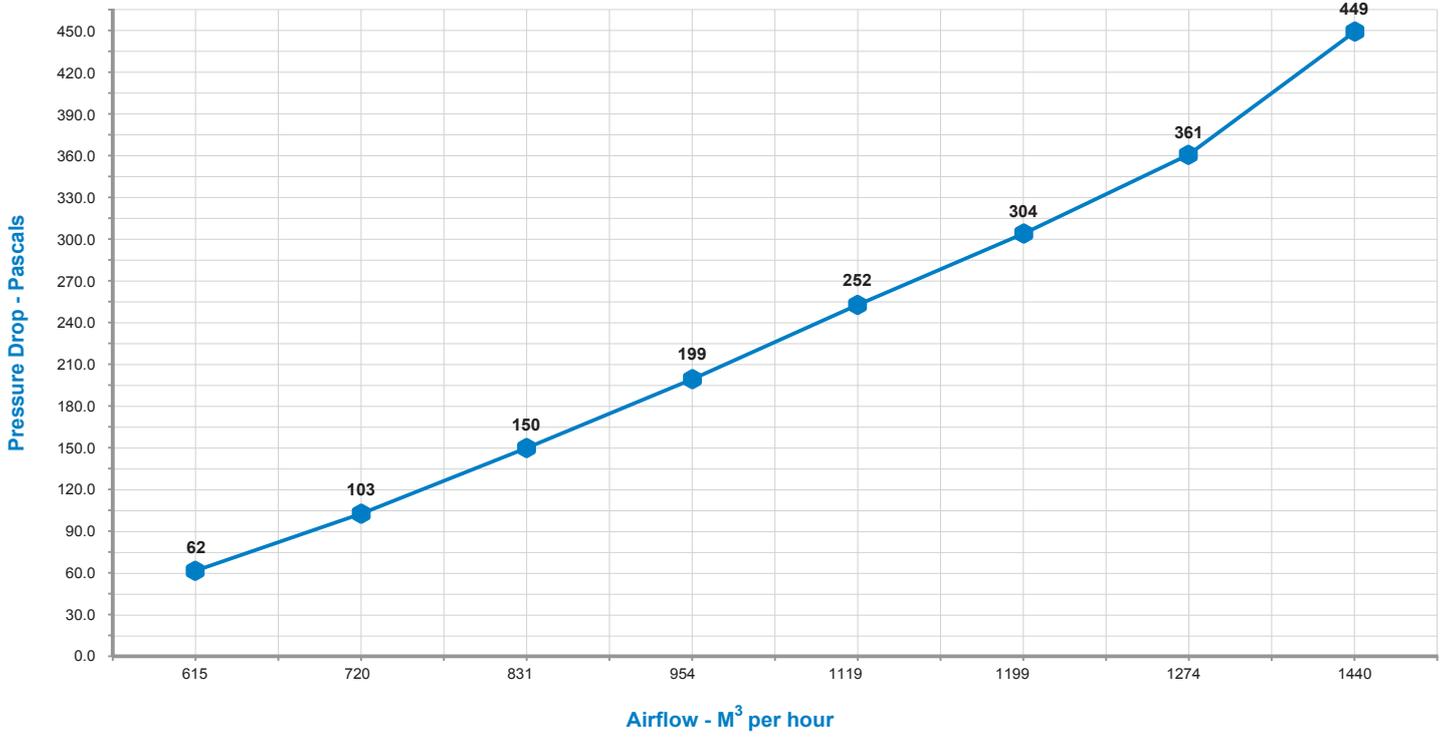
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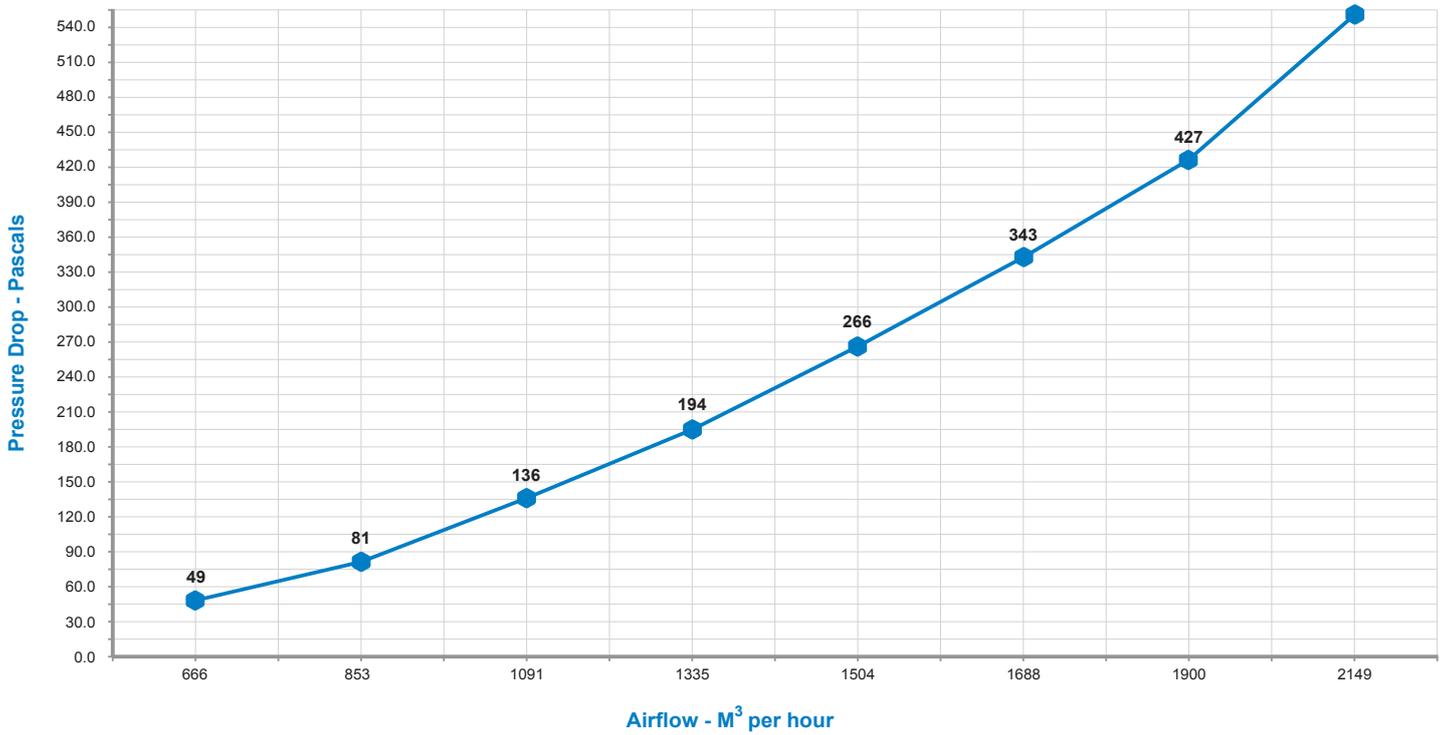
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### Airgard® Type 2 Baffle Filter - 295x496x45mm



### Airgard® Type 2 Baffle Filter - 396x496x45mm



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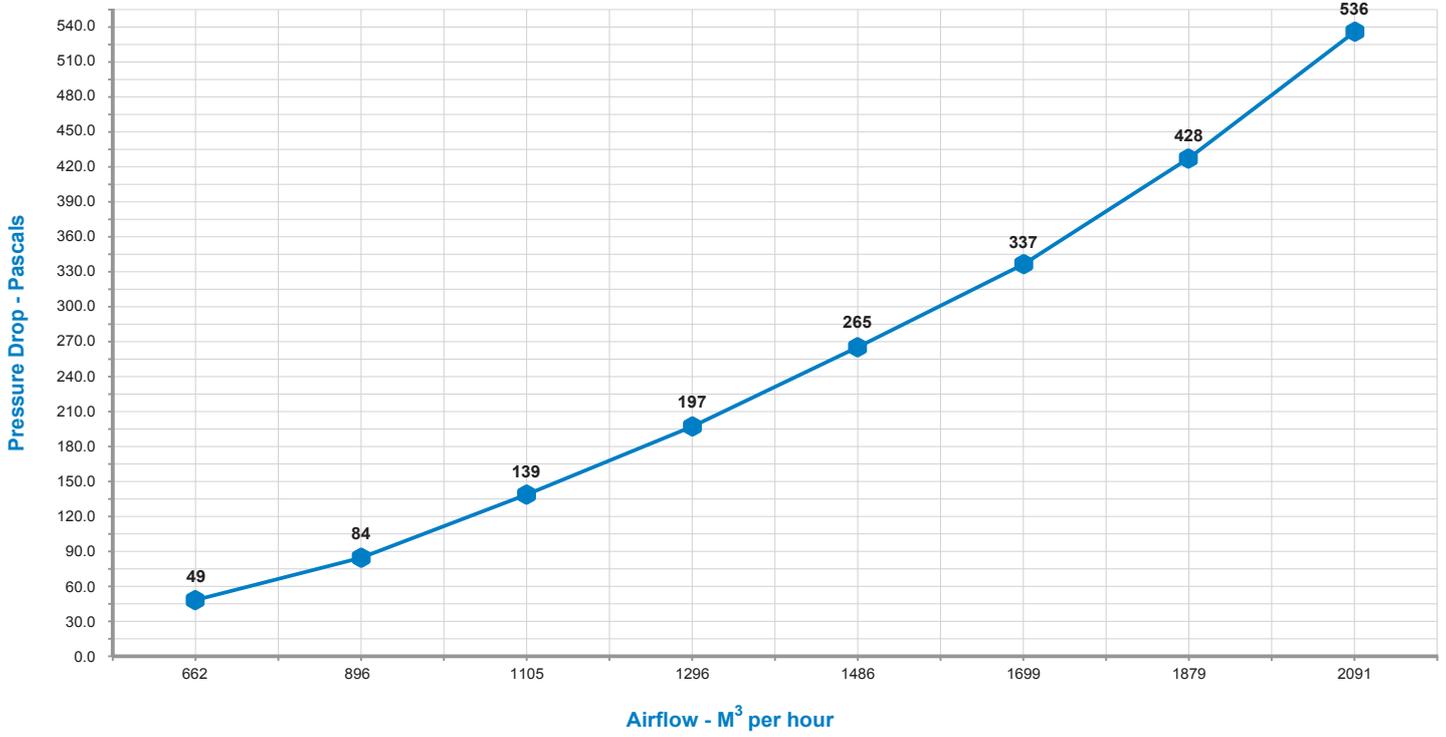
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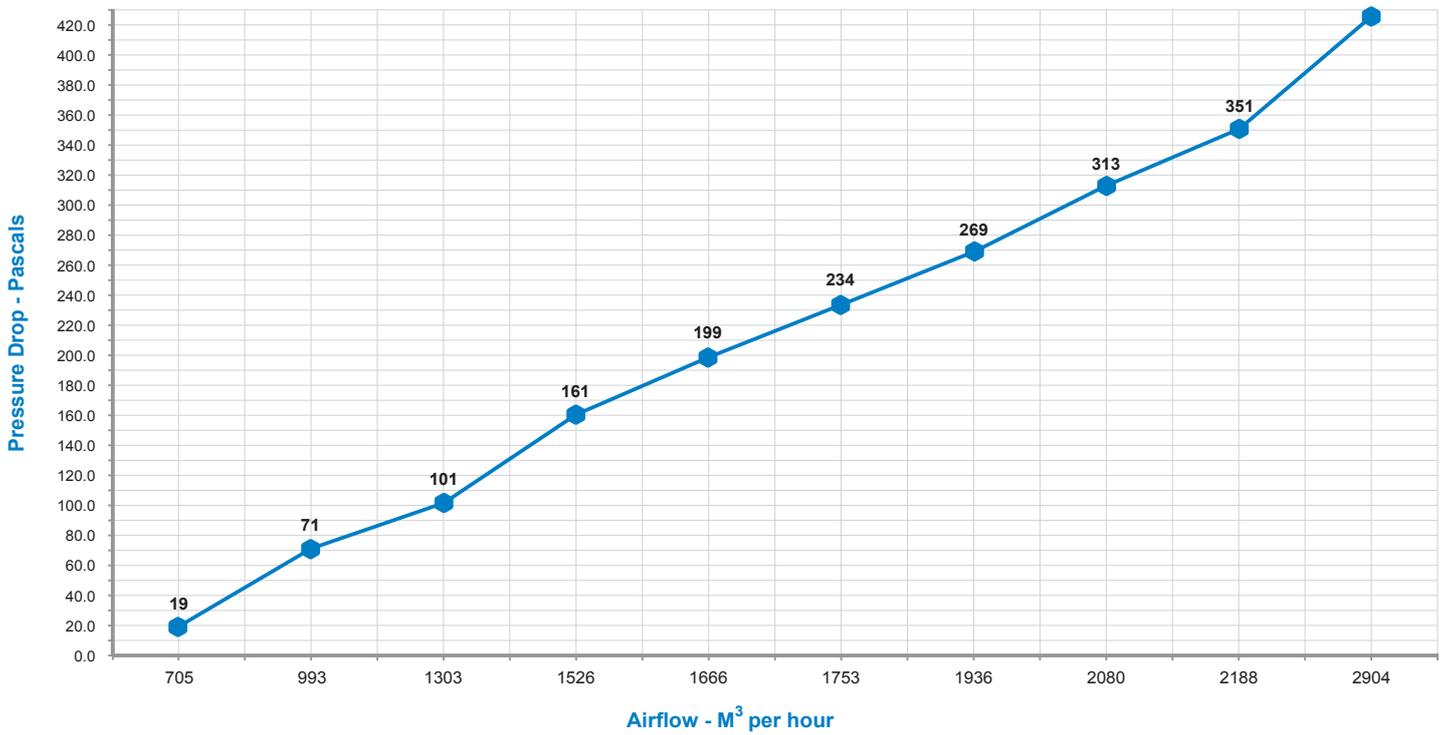
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### Airgard® Type 2 Baffle Filter - 444x444x45mm



### Airgard® Type 2 Baffle Filter - 496x496x45mm



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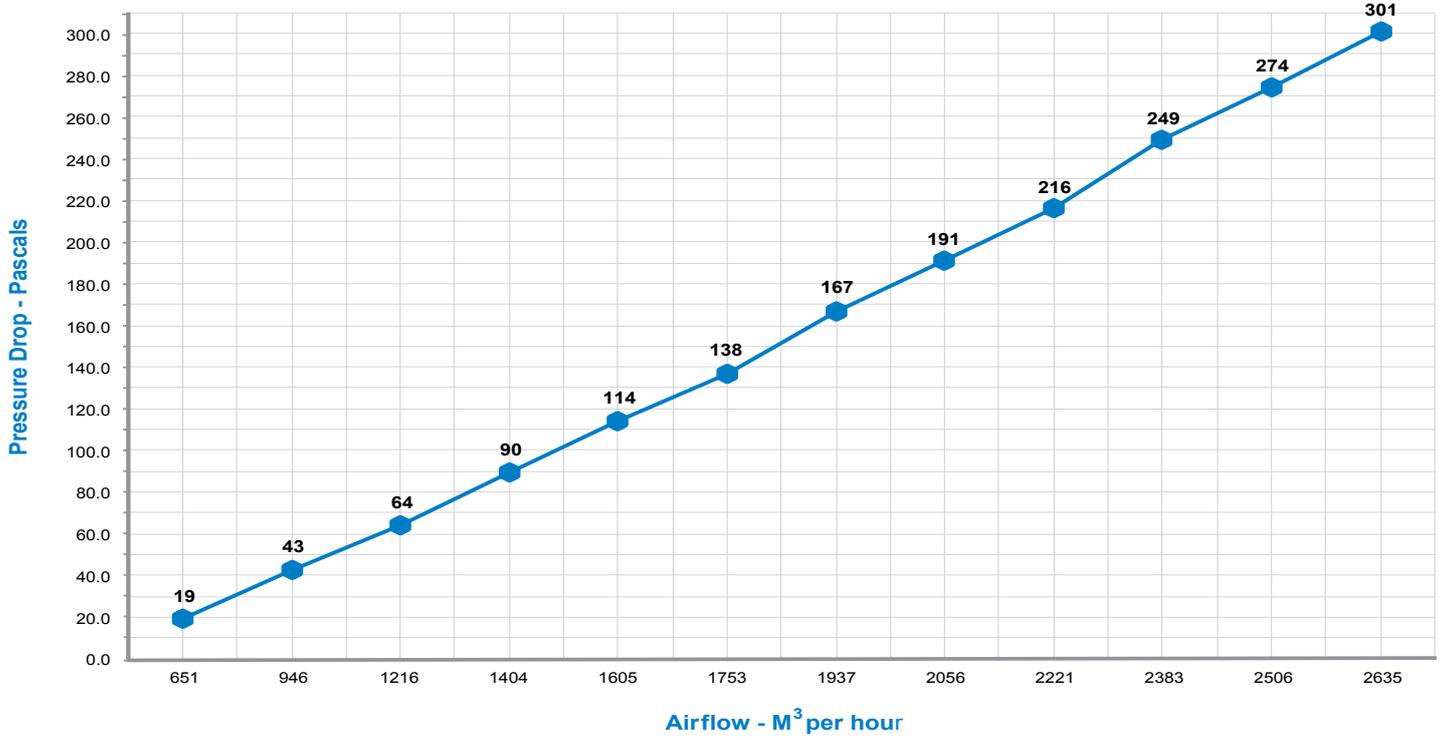
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## Airgard® Type 2 Baffle Filter - 597x597x45mm



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