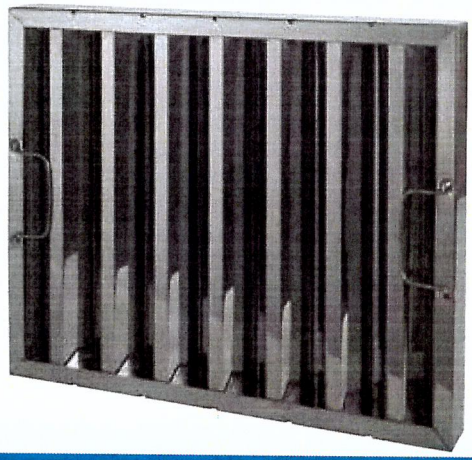
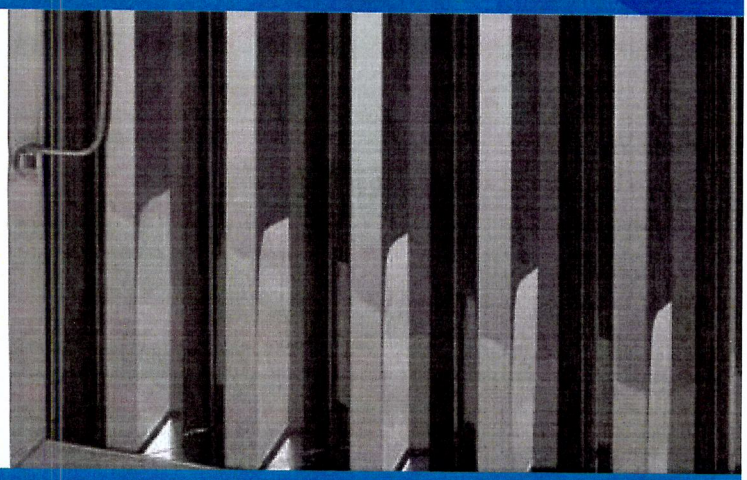
LONGAR® Type 2
Premium Baffle Filter





LONGAR® 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 UL1046.
- Tested & certified to ASTM2519.

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

LONGAR® 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. LONGAR® 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 UL1046. 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). Maximum Operating temperature 400C or 750F.

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.

FILTER CLASSIFICATION:
- Filter Class G2
- UL Class 2

TESTED TO:
- DIN 18869-5
- UL 1046
- ASTM 2519

MANUFACTURED TO:
- DW172
- ISO9001

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

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LONGAR® Type 2
Premium Baffle Filter

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	0.08m²
	9.57 x 19.53 x 1.77"	10 x 20 x 2"	3.08lbs	0.86ft²
TYPE2ST12X20X2	295 x 496 x 45mm	304 x 508 x 50mm	1.61kgs	0.09m²
	11.6 1 x 19.53 x 1.77"	12 x 20 x 2"	3.54lbs	1.02ft²
TYPE2ST16X16X2	395 x 395 x 45mm	406 x 406 x 50mm	1.54kgs	0.10m²
	15.55 x 15.55 x 1.77"	16 x 16 x 2"	3.39lbs	1.05ft²
TYPE2ST16X20X2	395 x 496 x 45mm	406 x 508 x 50mm	1.96kgs	0.13m²
	15.55 x 19.53 x 1.77"	16 x 20 x 2"	4.31lbs	1.40ft²
TYPE2ST18X18X2	444 x 444 x 45mm	457 x 457 x 50mm	1.98kgs	0.13m²
	17.48 x 17.48 x 1.77"	18 x 18 x 2"	4.36lbs	1.40ft²
TYPE2ST20X16X2	496 x 395 x 45mm	508 x 406 x 50mm	1.93kgs	0.12m²
	19.53 x 15.55 x 1.77"	20 x 16 x 2"	4.25lbs	1.32ft²
TYPE2ST20X20X2	496 x 496 x 45mm	508 x 508 x 50mm	2.41kgs	0.16m²
	19.53 x 19.53 x 1.77"	20 x 20 x 2"	5.30lbs	1.76ft²
TYPE2ST24X24X2	597 x 597 x 45mm	609 x 609 x 50mm	3.15kgs	0.24m²
	23.50 x 23.50 x 1.77"	24 x 24 x 2"	6.93lbs	2.56ft²
FINAL RECOMMENDED PRESSURE DROP: 400 PASCALS				

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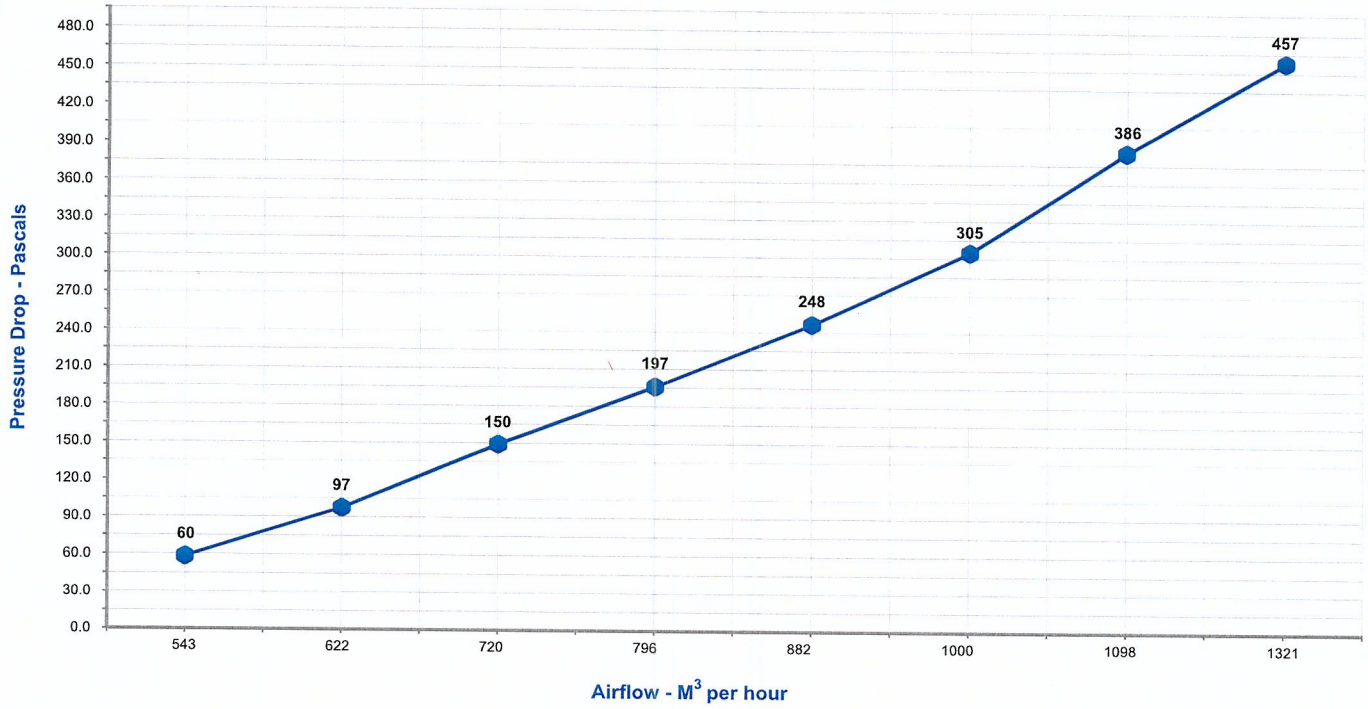
FILTERS AND FABRICATIONS FOR A CLEANER ENVIRONMENT

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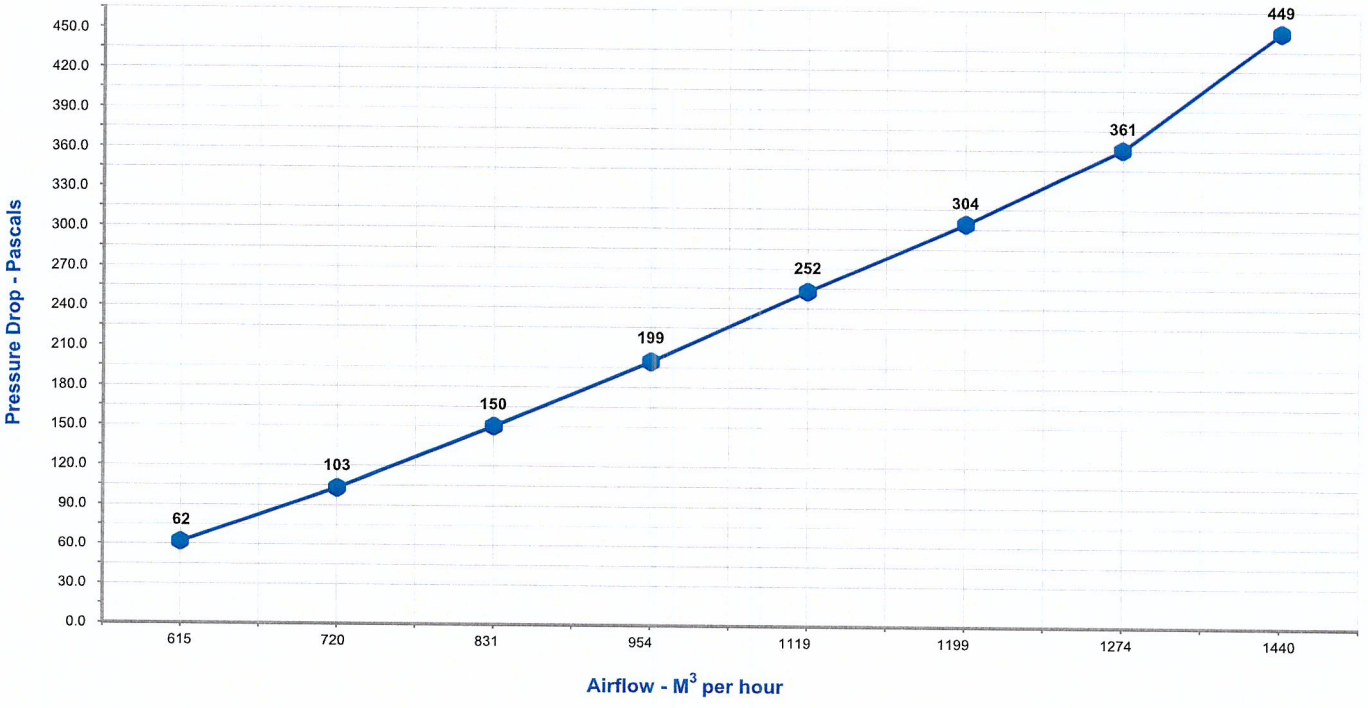
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PERFORMANCE AIRFLOW(M3/HR) VS PRESSURE DROP(PA)

LONGAR® Type 2 Baffle Filter - 243x496x45mm



LONGAR® Type 2 Baffle Filter - 295x496x45mm



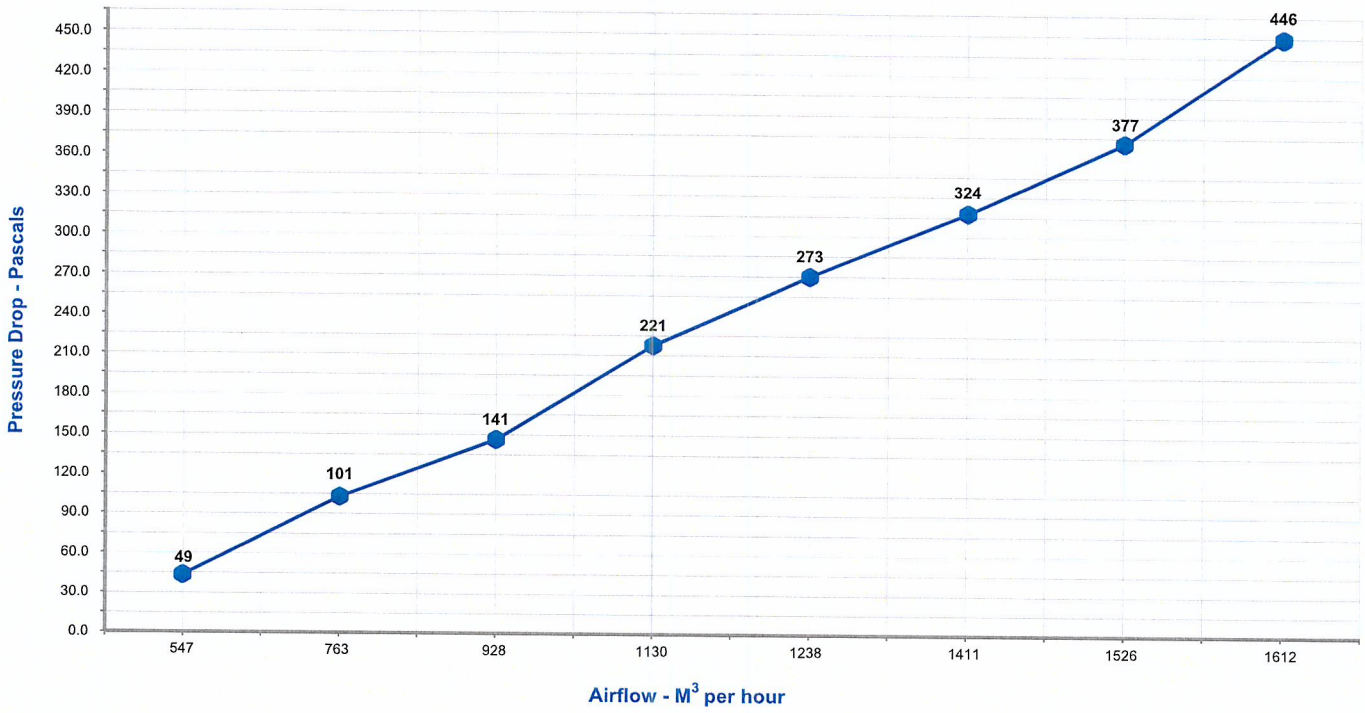
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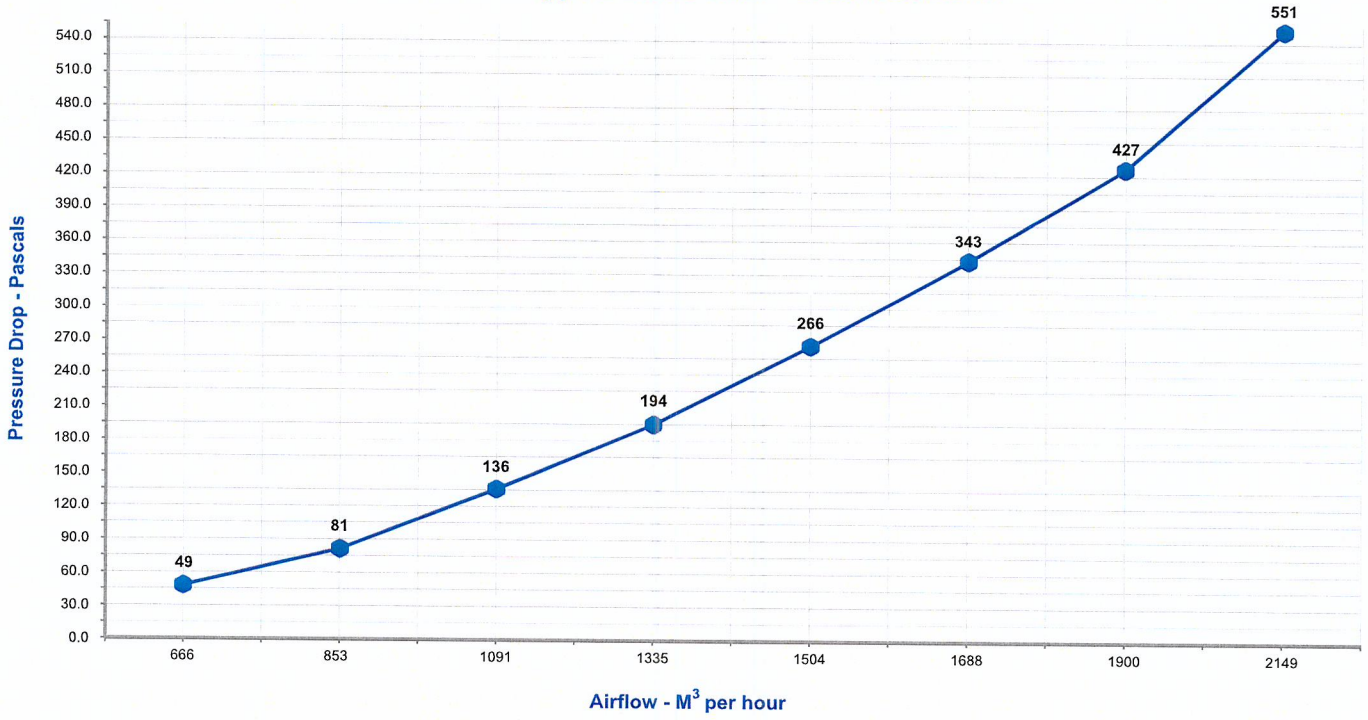
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LONGAR® Type 2 Baffle Filter - 395x395x45mm



LONGAR® Type 2 Baffle Filter - 396x496x45mm



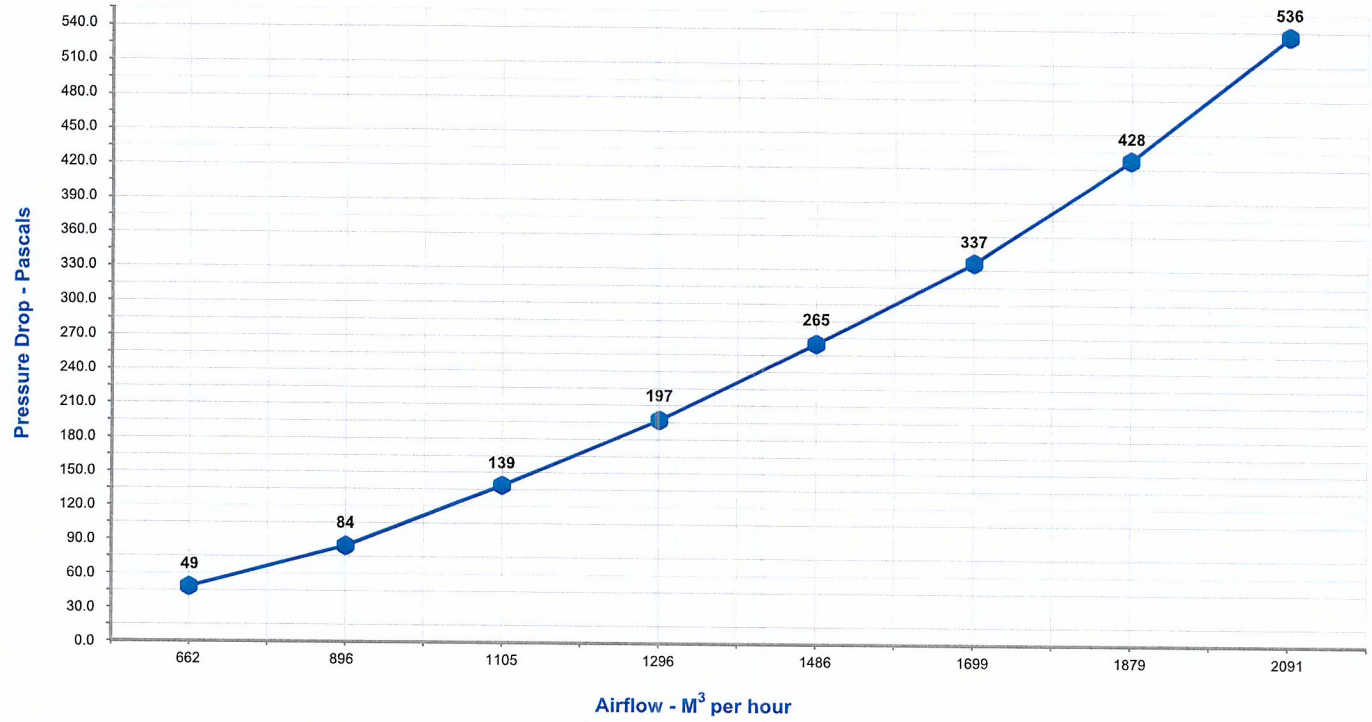
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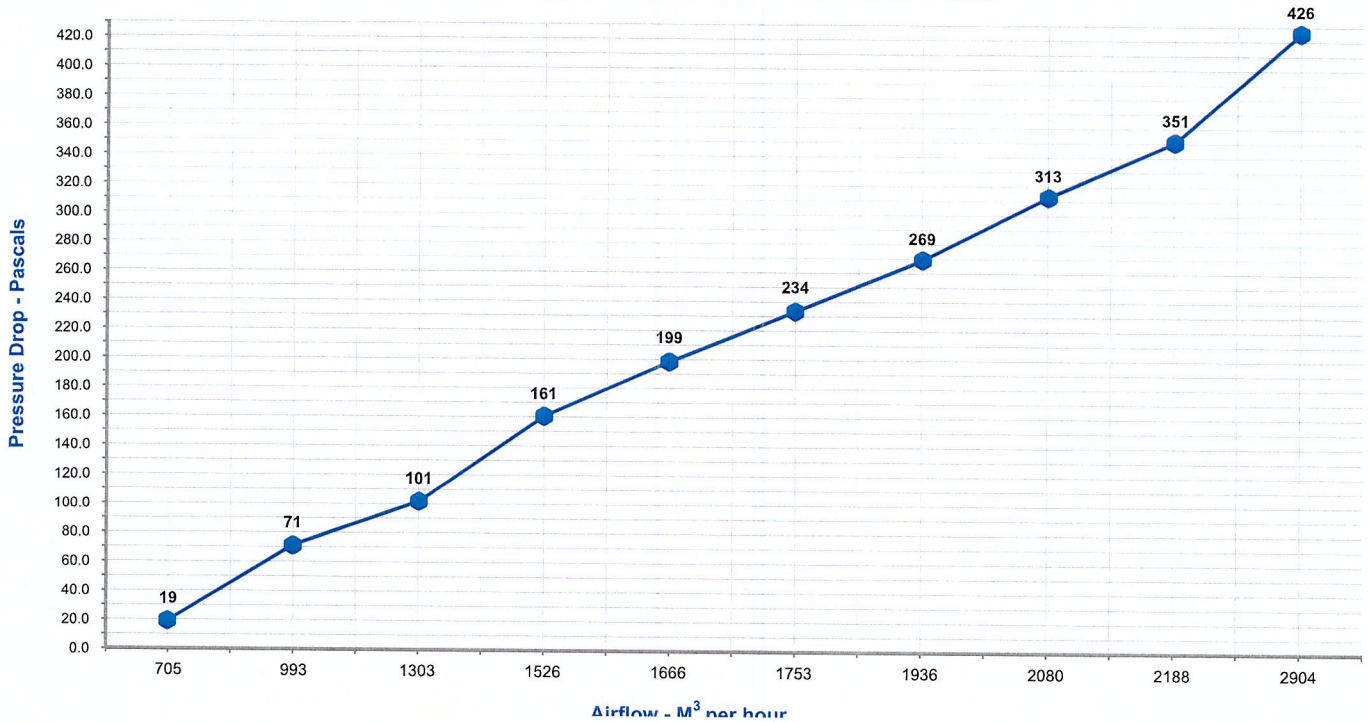
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LONGAR® Type 2 Baffle Filter - 444x444x45mm



LONGAR® Type 2 Baffle Filter - 496x496x45mm



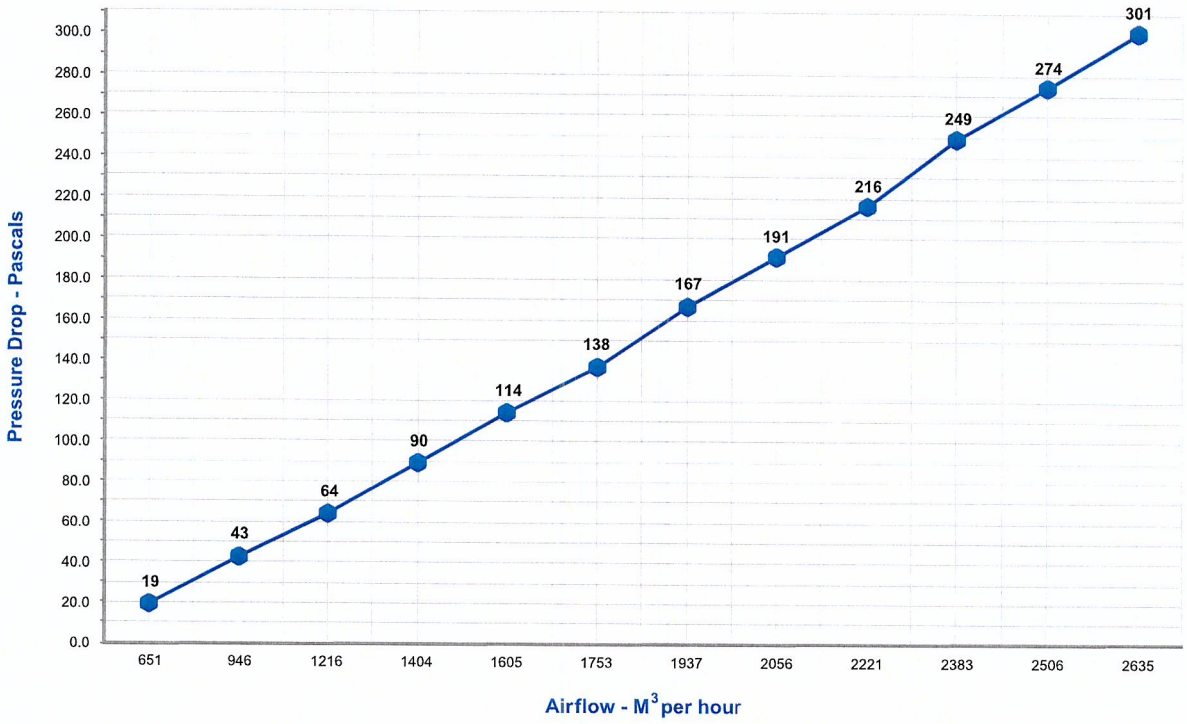
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LONGAR® Type 2 Baffle Filter - 597x597x45mm



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