

LONGAR® Type 2 HE75

High Performance 75% Grease Efficiency Baffle Filter



LONGAR® TYPE 2 HE75 HIGH PERFORMANCE BAFFLE FILTER FEATURES:

- High Performance Baffle Filter 75% Grease efficiency at 8 micron
- 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 drain holes as standard
- Robust baffle filter construction – built to last
- Tested & certified to European standard DIN 18869-5
- Tested to American standard UL1046
- Tested & certified to ASTM 2519

APPLICATIONS

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

LONGAR® TYPE 2 HE75 HIGH PERFORMANCE BAFFLE FILTERS

For use in commercial kitchens and ventilation to extract grease laden air and act as a fire barrier. LONGAR® Type 2 HE75 is a positive flame barrier having been tested to European DIN Standard 18869-5 & American 1046 & ASTM2519.

The LONGAR® TYPE 2 HE75 is developed for customers who wish to extract more grease from the air stream, following prolonged R&D we have designed a baffle filter with a micro screen on the exit to increase grease extraction.

The result of this is a retrofit baffle filter that removes 75% of the grease at 8 microns. Tested to ASTM2519 this product significantly reduces duct cleaning, saving customers expenditure on ongoing cleaning costs.

Conventional baffle filters extract grease in the region of 20 to 35% efficiency at 8 microns depending on the product design, the HE75 offers over twice the extraction rate.

CONSTRUCTION / MATERIAL SPECIFICATION

As standard all baffles are manufactured with Stainless Steel 304 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.

LONGAR® Type 2 HE75

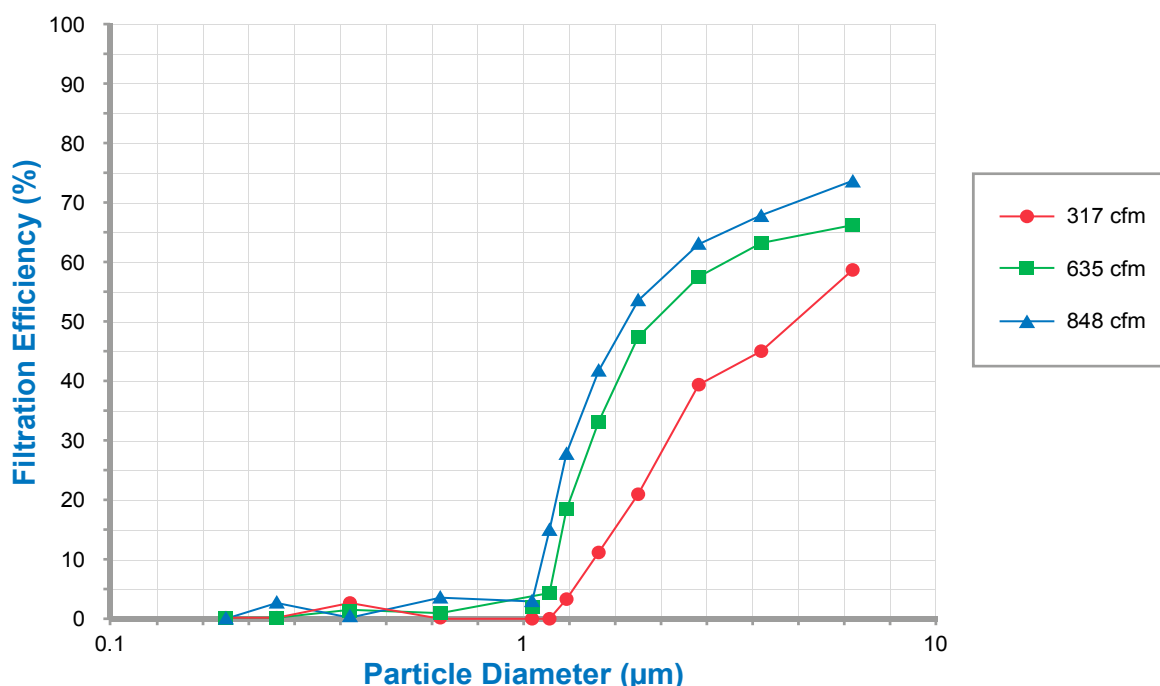
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TECHNICAL SPECIFICATIONS

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
TYPE2ST16X20X2	395 x 496 x 45mm	406 x 508 x 50mm	1.96kgs	0.13m ²
	15.55 x 19.53 x 1.77"	16 x 20 x 2"	4.31lbs	1.40ft ²
TYPE2ST20X20X2	496 x 496 x 45mm	508 x 508 x 50mm	2.41kgs	0.16m ²
	19.53 x 19.53 x 1.77"	20 x 20 x 2"	5.30lbs	1.76ft ²
FINAL RECOMMENDED PRESSURE DROP: 400 PASCALS				

ASTM-2519 TEST RESULTS: LONGAR Type 2 HE75 High Performance Baffle Filter - 495x495x45



LONGAR® TYPE 2 HE75 HIGH PERFORMANCE BAFFLE FILTERS SIZE: 496(H)X496(W)X45(D)MM

Resistance to Airflow:

Airflow (m3/s)	Airflow cfm	Air Velocity (fpm)	Air Velocity (m/s)	Resistance (in. H2O)	Resistance (Pa)
0.075	159	57	0.290	0.04	9
0.112	238	86	0.435	0.09	22
0.150	317	114	0.580	0.16	41
0.150	318	114	0.581	0.16	41
0.187	396	143	0.725	0.26	64
0.200	424	153	0.775	0.30	74
0.225	476	171	0.871	0.37	93
0.300	635	229	1.161	0.68	168
0.300	636	229	1.163	0.68	168
0.375	794	286	1.452	1.07	265
0.400	848	305	1.551	1.22	304
0.500	1060	382	1.939	1.92	479



LONGAR INDUSTRIES

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.