

LONGAR® Type 12 Synthetic Panel Filters



LONGAR® TYPE 12 FEATURES:

- Moisture resistant cardboard frame.
- G2 to F5 filtration available.
- Two piece construction.
- Standard & custom sizes available.
- Strong, robust construction.
- Dimensions of product are etched into frame for positive ID.

APPLICATIONS

- Pre-filtration
- Air conditioning in offices, schools
- Spray booth ventilation

LONGAR® TYPE 12 SYNTHETIC PLEATED PANEL

For use within general HEVAC systems where high G3 primary filtration is required. Provides primary contamination control and extends the installed life of more expensive medium to high efficiency filters. Where situations arise for higher levels of filtration we can offer a product that attains a G4 and F5 level of filtration. Please enquire for more details. Standard and custom sizes are available.

CONSTRUCTION / MATERIAL SPECIFICATIONS

LONGAR® Type 12 is manufactured from heavy duty moisture resistant cases, these are created prior to folding to prevent moisture ingress. Nylon backed filters are available as standard for the automotive industry. The synthetic media is chemically bonded to the frame, the frame has an 80% RH operating limit, where required we are able to fit a metal frame to the product which will give 100% RH. The temperature limit on the product is 100C.

Non-toxic progressive density thermally bonded fibre ensures even dirt loading throughout its full depth. Dust arrestance values are inherently high, we utilise self-extinguishing synthetic media that meets EN779 it is F1 fire rated (DIN53438).

The Type 12 is designed to locate into a front withdrawal, side access or rear mounted holding frames or use on a replacement basis.

FITTING INSTRUCTIONS

- Fit products, observe direction of airflow indicator

HANDLING

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

MAINTENANCE

- All maintenance and replacement schedules will be set by the original equipment installer. Please refer to this for more information.
- When handling any components suitable PPE should be used – gloves, eye protection and access equipment should be used where required.
- Filters should not be cleaned but replaced when required in accordance with maintenance schedule set by the installation contractor.

PACKAGING

All units are packaged in double wall boxes, 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

SIZE ORDERING GUIDE (TOLERANCES +/- 2mm)			
Part Number	Actual Size HxWxD	Nominal Size HxWxD	Weight
SYN24824822	248 x 248 x 22mm	254 x 254 x 25mm	0.05kgs
	9.76 x 9.76 x 0.87"	10 x 10 x 1"	0.11lbs
SYN49624822	496 x 248 x 22mm	508 x 254 x 25mm	0.10kgs
	19.53 x 9.76 x 0.87"	20 x 10 x 1"	0.22lbs
SYN29329322	293 x 293 x 22mm	304 x 304 x 25mm	0.07kgs
	11.54 x 11.54 x 0.87"	12 x 12 x 1"	0.15lbs
SYN59429422	594 x 294 x 22mm	609 x 304 x 25mm	0.15kgs
	23.39 x 11.57 x 0.87"	24 x 12 x 1"	0.33lbs
SYN37537522	375 x 375 x 22mm	381 x 381 x 25mm	0.12kgs
	14.76 x 14.76 x 0.87"	15 x 15 x 1"	0.26lbs
SYN49637522	496 x 375 x 22mm	508 x 381 x 25mm	0.16kgs
	19.53 x 14.76 x 0.87"	20 x 15 x 1"	0.35lbs
SYN49639622	496 x 396 x 22mm	508 x 406 x 25mm	0.17kgs
	19.53 x 15.59 x 0.87"	20 x 16 x 1"	0.37lbs
SYN62039622	620 x 396 x 22mm	635 x 406 x 25mm	0.21kgs
	24.41 x 15.59 x 0.87"	25 x 16 x 1"	0.46lbs
SYN44844822	448 x 448 x 22mm	457 x 457 x 25mm	0.17kgs
	17.64 x 17.64 x 0.87"	18 x 18 x 1"	0.37lbs
SYN49649622	496 x 496 x 22mm	508 x 508 x 25mm	0.21kgs
	19.53 x 19.53 x 0.87"	20 x 20 x 1"	0.46lbs
SYN59649622	596 x 496 x 22mm	609 x 508 x 25mm	0.25kgs
	23.46 x 19.53 x 0.87"	24 x 20 x 1"	0.55lbs
SYN62049622	620 x 496 x 22mm	635 x 508 x 25mm	0.26kgs
	24.41 x 19.53 x 0.87"	25 x 20 x 1"	0.57lbs
SYN59659622	596 x 596 x 22mm	609 x 609 x 25mm	0.30kgs
	23.46 x 23.46 x 0.87"	24 x 24 x 1"	0.66lbs
SYN24824847	248 x 248 x 47mm	254 x 254 x 50mm	0.08kgs
	9.76 x 9.76 x 1.85"	10 x 10 x 2"	0.18lbs
SYN49724347	497 x 243 x 47mm	508 x 254 x 50mm	0.16kgs
	19.57 x 9.57 x 1.85"	20 x 10 x 2"	0.35lbs
SYN29329347	293 x 293 x 47mm	304 x 304 x 50mm	0.11kgs
	11.54 x 11.54 x 1.85"	12 x 12 x 2"	0.24lbs
SYN59628947	596 x 289 x 47mm	609 x 304 x 50mm	0.22kgs
	23.46 x 11.38 x 1.85"	24 x 12 x 2"	0.48lbs
SYN37237247	372 x 372 x 47mm	381 x 381 x 50mm	0.18kgs
	14.65 x 14.65 x 1.85"	15 x 15 x 2"	0.40lbs

Pressure drop and airflow information available on request.

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Part Number	Actual Size HxWxD	Nominal Size HxWxD	Weight
SYN39439447	394 x 394 x 47mm	406 x 406 x 50mm	0.20kgs
	15.51 x 15.51 x 1.85"	16 x 16 x 2"	0.44lbs
SYN49637547	496 x 375 x 47mm	508 x 381 x 50mm	0.24kgs
	19.53 x 14.76 x 1.85"	20 x 15 x 2"	0.53lbs
SYN49639647	496 x 396 x 47mm	508 x 406 x 50mm	0.26kgs
	19.53 x 15.59 x 1.85"	20 x 16 x 2"	0.57lbs
SYN62039647	620 x 396 x 47mm	635 x 406 x 50mm	0.32kgs
	24.41 x 15.59 x 1.85"	25 x 16 x 2"	0.70lbs
SYN44644647	446 x 446 x 47mm	457 x 457 x 50mm	0.26kgs
	17.56 x 17.56 x 1.85"	18 x 18 x 2"	0.57lbs
SYN49649647	496 x 496 x 47mm	508 x 508 x 50mm	0.32kgs
	19.53 x 19.53 x 1.85"	20 x 20 x 2"	0.70lbs
SYN59639647	596 x 396 x 47mm	609 x 406 x 50mm	0.31kgs
	23.46 x 15.59 x 1.85"	24 x 16 x 2"	0.68lbs
SYN59649647	596 x 496 x 47mm	609 x 508 x 50mm	0.38kgs
	23.46 x 19.53 x 1.85"	24 x 20 x 2"	0.84lbs
SYN62049647	620 x 496 x 47mm	635 x 508 x 50mm	0.40kgs
	24.41 x 19.53 x 1.85"	25 x 20 x 2"	0.88lbs
SYN59659647	596 x 596 x 47mm	609 x 609 x 50mm	0.46kgs
	23.46 x 23.46 x 1.85"	24 x 24 x 2"	1.01lbs
SYN24824897	248 x 248 x 97mm	254 x 254 x 102mm	0.14kgs
	9.76 x 9.76 x 3.82"	10 x 10 x 4"	0.31lbs
SYN49624897	496 x 248 x 97mm	508 x 254 x 102mm	0.27kgs
	19.53 x 9.76 x 3.82"	20 x 10 x 4"	0.59lbs
SYN29329397	293 x 293 x 97mm	304 x 304 x 102mm	0.19kgs
	11.54 x 11.54 x 3.82"	12 x 12 x 4"	0.42lbs
SYN59728997	597 x 289 x 97mm	609 x 304 x 102mm	0.38kgs
	23.50 x 11.38 x 3.82"	24 x 12 x 4"	0.84lbs
SYN37537597	375 x 375 x 97mm	381 x 381 x 102mm	0.31kgs
	14.76 x 14.76 x 3.82"	15 x 15 x 4"	0.68lbs
SYN39639697	396 x 396 x 97mm	406 x 406 x 102mm	0.35kgs
	15.59 x 15.59 x 3.82"	16 x 16 x 4"	0.77lbs
SYN49637597	496 x 375 x 97mm	508 x 381 x 102mm	0.41kgs
	19.53 x 14.76 x 3.82"	20 x 15 x 4"	0.90lbs
SYN49639697	496 x 396 x 97mm	508 x 406 x 102mm	0.44kgs
	19.53 x 15.59 x 3.82"	20 x 16 x 4"	0.97lbs

Pressure drop and airflow information available on request.

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SIZE ORDERING GUIDE (TOLERANCES +/- 2mm)			
Part Number	Actual Size HxWxD	Nominal Size HxWxD	Weight
SYN62039697	620 x 396 x 97mm	635 x 406 x 102mm	0.55kgs
	24.41 x 15.59 x 3.82"	25 x 16 x 4"	1.21lbs
SYN44644697	446 x 446 x 97mm	457 x 457 x 102mm	0.44kgs
	17.56 x 17.56 x 3.82"	18 x 18 x 4"	0.97lbs
SYN49649697	496 x 496 x 97mm	508 x 508 x 102mm	0.55kgs
	19.53 x 19.53 x 3.82"	20 x 20 x 4"	1.21lbs
SYN59639697	596 x 396 x 97mm	609 x 406 x 102mm	0.53kgs
	23.46 x 15.59 x 3.82"	24 x 16 x 4"	1.17lbs
SYN59649697	596 x 496 x 97mm	609 x 508 x 102mm	0.66kgs
	23.46 x 19.53 x 3.82"	24 x 20 x 4"	1.45lbs
SYN62049697	620 x 496 x 97mm	635 x 508 x 102mm	0.68kgs
	24.41 x 19.53 x 3.82"	25 x 20 x 4"	1.50lbs
SYN59659697	596 x 596 x 97mm	609 x 609 x 102mm	0.79kgs
	23.46 x 23.46 x 3.82"	24 x 24 x 4"	1.74lbs
FINAL RECOMMENDED PRESSURE LOSS: 250 PASCALS			

Pressure drop and airflow information available on request.



LONGAR INDUSTRIES

FILTERS AND FABRICATIONS FOR A CLEANER ENVIRONMENT