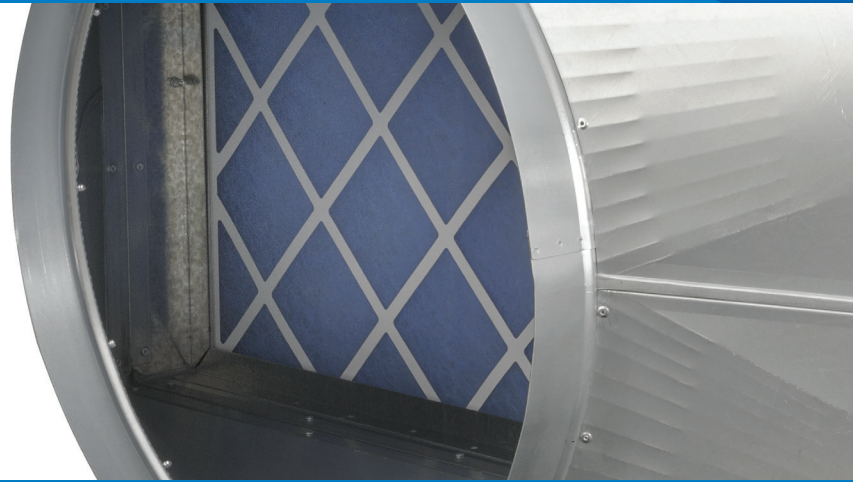


# LONGAR® Type 8 Activated Carbon Housing



## LONGAR® TYPE 8 FEATURES:

- High grade carbon / High carbon content / Low pressure loss
- Robust modular construction
- Carbon Unit or panel format / Standard and Custom sizes available
- CNC manufactured / Precision products every time

## APPLICATIONS

- Reduction of Cooking Odours
- Removal of Kerosene Exhaust Fumes
- General Odour Reduction
- Neutralisation of Ammonia and its Derivatives
- Removal of Formaldehyde
- Removal of Airborne Pollutants and Contaminants
- Removal of Acid Gases (please enquire as top specific contaminant)

## LONGAR® TYPE 8 ACTIVATED CARBON FILTERS

Activated carbon has for many years been used to remove airborne noxious fumes and gases. Its origins date back to the First World War, when gas masks were first filled with activated carbon to remove chlorine gas. Today Longar produces a wide range of carbon filters to deal with a variety of air pollution scenarios.

There are many situations where carbon filtration is used to eliminate toxic or offensive odours, some of these are sewage works, hospitals, slaughterhouses, restaurant kitchens, airports, toilets, wash rooms, laboratories, and office blocks..

### PRE FILTRATION

Carbon filters are designed to remove fumes and odours, they are not suitable for removing dust and fine particles. If left unprotected, the life of the carbon product is severely reduced. To protect the filters use the correct pre filtration. If you are unsure please enquire for further information.



## LONGAR® TYPE 8 ACTIVATED CARBON PANELS

The activated carbon panels are sealed into a galvanised steel frame; a scrim is then added to protect the carbon surface from dust contamination. Sealing the carbon panel stops any air by-pass; our panels are manufactured using CNC technology to ensure precision manufacture with exact tolerances.

Our panels are the strongest on the market place with a wide range of standard sizes available, custom sizes are also available on request.

## LONGAR® TYPE 8 ACTIVATED CARBON UNITS (ACU)

For a modular approach to fume removal the ACU is the ideal solution. The ACU unit is manufactured from a number of carbon panels held in place by a CNC made corrosion proof metal casing. The carbon panels inside the units are 25mm thick, sealed into the frames using polymer which eliminates the possibility of any air by-pass around the carbon.

## LONGAR® TYPE 8 CYLINDRICAL FILTER

These are constructed from perforated galvanised steel then formed into cylindrical cartridges containing high grade or impregnated carbon. The cylinders have a bayonette fit into the filter mounting plate.

All cylinders have a unique feature of having the option to replace any spent carbon and then refill with new replenished carbon.

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

# LONGAR® Type 8

## Activated Carbon Housing

### FITTING INSTRUCTIONS

- Fit products in accordance with installation contractor's specifications. Observe direction of airflow.

### HANDLING

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

### MAINTENANCE

- Carbon filters cannot be cleaned upon reaching the end of their service life. They must be replaced.
- 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.
- Carbon filters may be recycled.

### PACKAGING

All units are packaged on pallets custom built. Goods are sealed to protect whilst in transit against contamination.

### TECHNICAL SPECIFICATIONS

Housing Size (mm) HxWxD	Airflow (m3/sec)	Contact time (sec)	Total clean, pressure drop (Pascals)
675 x 365 x 1500	0.50	0.12	256
675 x 665 x 1350	0.75	0.12	256
675 x 665 x 1500	1.00	0.12	256
675 x 965 x 1500	1.25	0.12	256
675 x 1265 x 1350	1.50	0.12	256
675 x 1265 x 1500	2.00	0.12	256
675 x 1865 x 1350	2.25	0.12	256
675 x 1650 x 1500	2.50	0.12	256
1290 x 965 x 1500	3.00	0.12	256
1290 x 1265 x 1350	3.25	0.12	256
1290 x 1265 x 1500	4.00	0.12	256

Pressure drop and airflow information available on request.



**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.