

# AIRCLEAN

**YOUR AIR FILTER MANUFACTURER**

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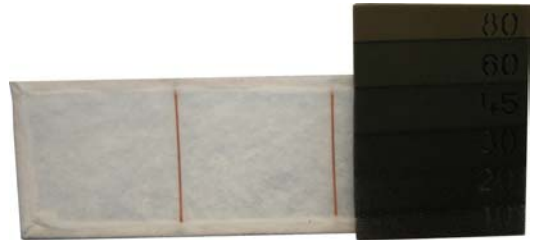
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## Rod Framed Filters

### Applications

The rod framed filter is a washable panel used widely in small air conditioning and fan coil units, warm air furnaces, refrigeration counters and electronic equipment cabinets. It is a low resistance filter often used to protect heat exchanger coils from dust, carpet fluff etc.



### Construction

The traditional Rod framed filter has the filter media is supported by a coated rigid rod frame constructed from 3mm coated steel rod.

However, there are three versions available.

- (a) Synthetic A15/150 material (white) approximately 6mm thick, on wire frame
- (b) Polyurethane foam media normally 6mm thick, but thicker material can be supplied, on a wire frame.
- (c) Synthetic media A15/150 folded over and stapled to 12mm square, 1mm wire mesh, which provide a higher level of media rigidity

Pore sizes of the foam can be varied to suit requirements, but are usually in the range of 20 to 60 ppi, with 20 or 30 ppi being more common.

Handles or tapes/loops can be provided if required.

This type of filter can be manufactured to any reasonable size, typically 300mm x 1200mm max

### Technical

<b>Filter Classification</b>	Grade G3/G4 to EN 779
<b>Maximum Operating Temperature</b>	100°C (212°F)
<b>Maximum Recommended Face Velocity</b>	2.0 m/s (400 ft/min)

### Resistance To Airflow

Face Velocity		Type of Filter Media									
		A 15/150		0.25" 20 ppi		0.25" 30 ppi		0.25" 45 ppi		0.25" 60 ppi	
m/s	fpm	Pa	"wg	Pa	"wg	Pa	"wg	Pa	"wg	Pa	"wg
<b>1.0</b>	200	7	0.03	4	0.015	7	0.028	10	0.04	18	0.07
<b>1.5</b>	300	12	0.05	7	0.028	12	0.050	18	0.07	33	0.13
<b>2.0</b>	400	20	0.08	11	0.043	20	0.080	30	0.12	50	0.20
<b>2.5</b>	500	30	0.12	17	0.065	30	0.120	40	0.16	76	0.30

The company reserves the right to change specifications without notice. E&OE