

# AIRCLEAN

YOUR AIR FILTER MANUFACTURER

P.O. BOX 147,  
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## Metal Washable Filters

### Applications

The Metal Washable filter is a coarse filter suitable for ventilation and air conditioning systems, where cleanability is required and low efficiency can be accepted.

It is suitable for use at high air velocities, and hence when dealing with large air volumes. This filter is incombustible and is therefore especially suited to applications where fire is a potential hazard.

### Construction

The filtration media is crimped galvanised knitted wire mesh, which is enclosed in either an aluminium or more usually galvanised channel frame. Galvanised retaining meshes are fitted on both sides, and corner gussets provide rigidity. All stainless steel filters, or galvanised media with stainless steel frames, are also available.



### Technical

Recommended for use at velocities of up to 3m/s (600 ft/min) although it is possible to use these filters at higher velocities if required.

**Filter classification:** Typically G2 to EN779

For initial resistances see chart below:

### Resistance to Airflow

Face Velocity								
m/s	1.5		2.0		2.5		3.0	
fpm	300		400		500		600	
Pressure Drop	Pa	"wg	Pa	"wg	Pa	"wg	Pa	"wg
1" Panel	8	0.03	12	0.05	18	0.07	25	0.10
2" Panel	12	0.05	18	0.07	25	0.10	33	0.13

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## Capacity Chart

Data based on Face Velocity of 2.5 m/s (500 fpm)

SIZE	SIZE	Flow Rate
OT Inches	Actual mm	m <sup>3</sup> /s
10 x 10	242 x 242	0.12
12 x 12	289 x 289	0.17
15 x 15	369 x 369	0.27
18 x 18	445 x 445	0.40
20 x 10	495 x 242	0.24
20 x 16	495 x 394	0.39
20 x 20	495 x 495	0.49
25 x 16	620 x 394	0.49
25 x 20	620 x 495	0.61
24 x 12	594 x 289	0.35
24 x 20	594 x 495	0.59
24 x 24	594 x 594	0.71

Actual Face Size = Nominal Size less 6mm (0.25")  
Actual thickness = Nominal thickness less 3mm (0.125)

## Holding Frames and Casings

Holding frames and casings for Metal Washables are available singularly or in multiples, and can be manufactured to suit non-standard sizes and special applications.

See leaflets (code AC8) for full technical information.

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

