

INDUSTRIAL

ESP RANGE

600 | 1000 | 2000

purified[®]air

INDUSTRIAL AIR FILTRATION EXPERTS

Purified Air Ltd. has been manufacturing and servicing market-leading technology to filter polluted indoor air since 1984.

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ESP RANGE

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Our Oil Mist Units features a double-pass ESP technology and is efficient at 99%. Due to their compact size and built in fan system, they can be directly mounted to a machine tool.

The ionisation voltage has been designed to run at a positive potential, reducing ozone production and making it ideal for indoor applications.

A highly efficient oil, mist and smoke collector is effective on all metalworking fluids.

KEY FEATURES

- Filters particles down to sub-micron levels
- Tested to 99% efficiency
- Low operating costs
- Minimal maintenance required
- Specifically designed for industrial application
- Energy efficient
- Removes oil, mist and smoke
- Compact design

FILTERS REMOVE



Smoke

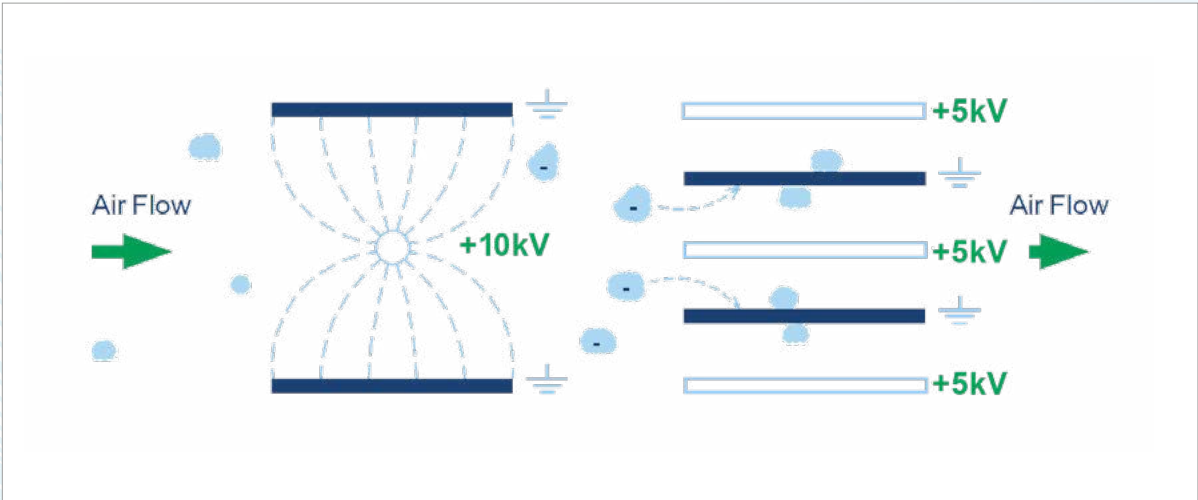


Oil



Mist

THE ELECTROSTATIC PROCESS





The above diagram shows, in a basic visual, how an electrostatic precipitator works:

As air passes into the combined ioniser / collector cell, the particulates in the air stream are polarised. As they continue through the ioniser and between the collector cell plates,

the polarised particulates are repelled away from the positively charged plates and attracted to the earthed plates where they stick and so are filtered out of the air flow.

THE BENEFITS OF ELECTROSTATIC TECHNOLOGY

 Eliminates 99% of particles

 Filters particles down to sub-micron levels

 Compact design

 Energy efficient

OUR SERVICES



Design



Manufacture



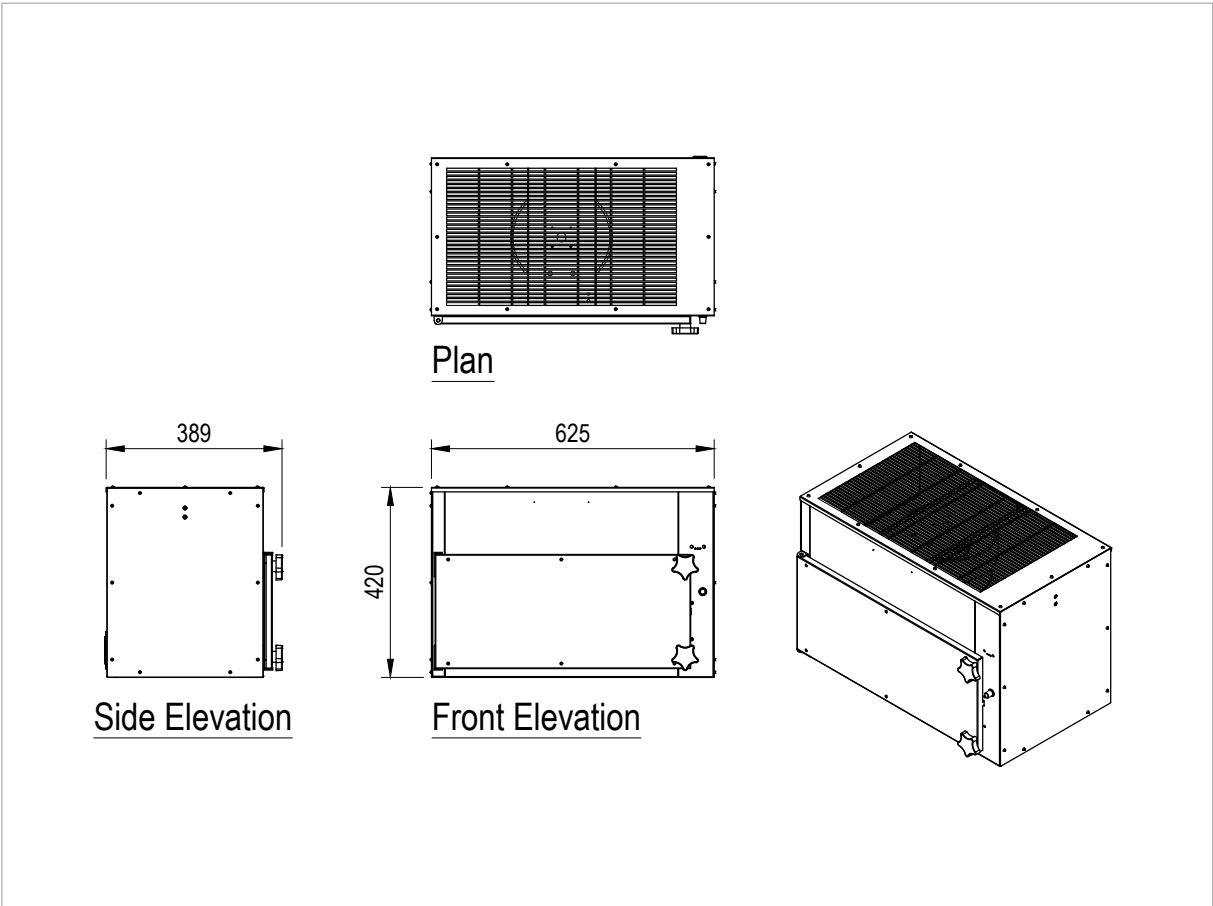
Maintain

TECHNICAL SPECIFICATION

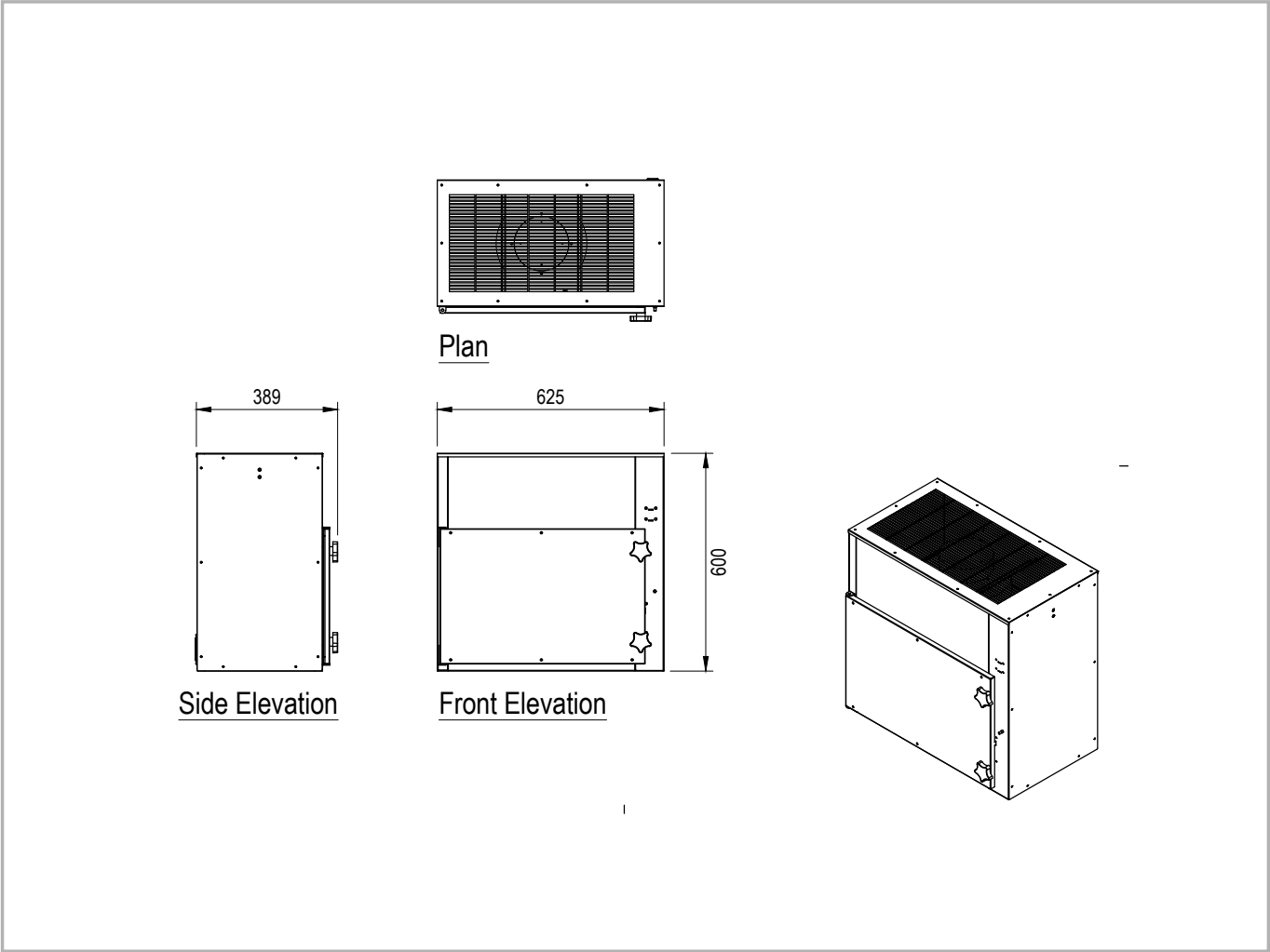
	ESP 600	ESP 1000	ESP 2000
Electrical Supply	220/240V 50Hz	220/240V 50Hz	220/240V 50Hz
Max Air Volume	up to 600m³/h	up to 1000m³/h	up to 2000m³/h
Max Power Consumption	180w	280w	390w
Dimensions (mm)	W 625 mm	W 625 mm	W 609 mm
	H 420 mm	H 420 mm	H 690 mm
	D 389 mm	D 389 mm	D 1076 mm
Weight (kg)	30kg	41kg	66kg

DRAWINGS

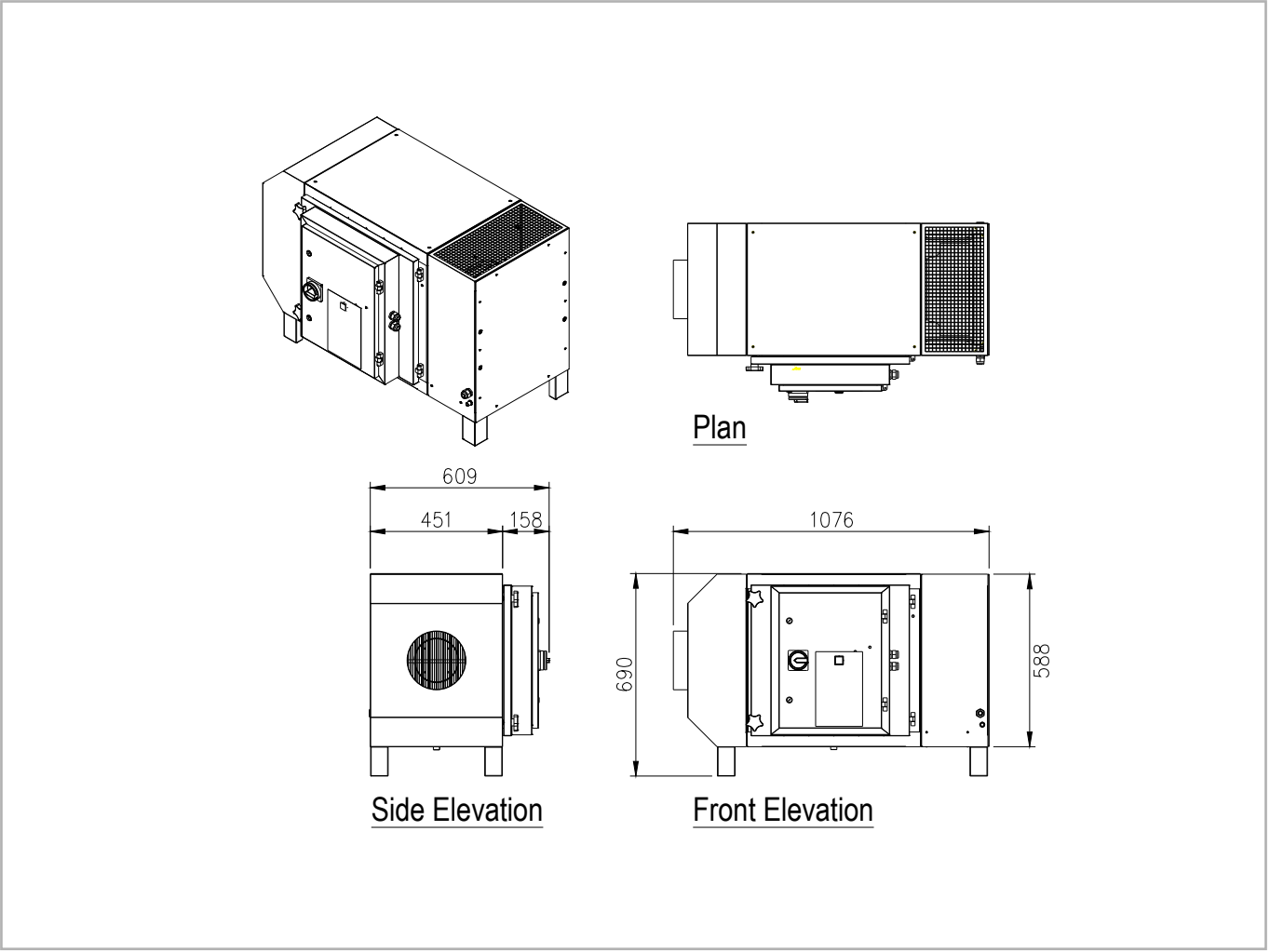
ESP VERTICAL 600



ESP VERTICAL 1000



ESP VERTICAL 2000





ABOUT US

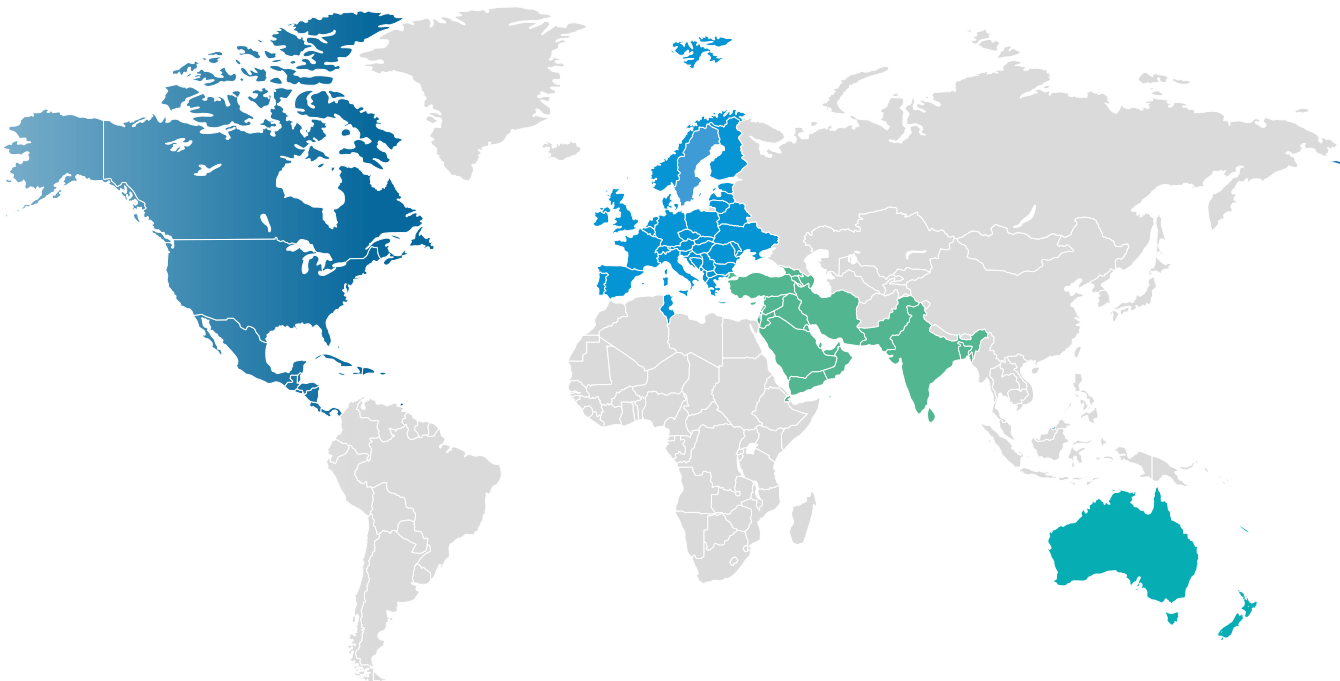
Purified Air Ltd. has been striving to find the best and most cost-effective way to filter and control oil and smoke produced by indoor and outdoor equipment since 1984.

WORLDWIDE COVERAGE

- United Kingdom
- Middle East
- Europe
- North America
- Asia
- Australasia



MARKET LEADERS
S I N C E
1984



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