FAC/T Operating System

Model **FAC/T**

Filtering section **FAC/T**

Specification	
Rate of Flow (m³/h)	1,200
Installed Power (kW)	1.1
Supply Voltage (V)	230/400
Power Supply	single or 3 phase
Ionizing Volts	–
Noise Level dB(A) @ 2 metres	73
Size (mm)	830 x 720 x 1210
Weight (kg)	115
Mechanical Filtering	S
Electrostatic Filtering	N
Arm IBSC 160/3	S
Hour Counter	S
Circuit Breaker	S
Inspection Door	S
Activated Carbon Filter	O
S = standard N = not required O = optional	

The functioning of this recycling unit is based on the dry filtering principle. The polluted air is taken in by the fully adjustable jointed arm before passing through the filtering section, which consists of:

A prefilter in steel with a spark-proof function, ideal to separate oily fumes. Rigid pocket filter with an 85% efficiency, to filter fumes and small dust particles. Folded, glass fibre filter to ensure additional separation of the pollutant before being released into the atmosphere.

Filter life varies, depending on many factors such as the type of pollutant to be treated, its concentration, the length of time it is utilised and maintenance quality. To make control easier, the FAC/T is equipped with an hour counter.

A practical inspection panel with lock allows quick access to the filtering section for checking and replacing the filters.

Activated carbon filters are available as an option.

FAC/E Operating System

Model **FAC/E**

Filtering section **FAC/E**

Standard Specification	
Rate of Flow (m³/h)	1,200
Installed Power (kW)	1.1
Supply Voltage (V)	230/400
Power Supply	single or 3 phase
Ionizing Volts	6,000
Noise Level dB(A) @ 2 metres	73
Size (mm)	830 x 720 x 1210
Weight (Kg)	115
Mechanical Filtering	N
Electrostatic Filtering	S
Arm IBSC 160/3	S
Hour Counter	S
Circuit Breaker	S
Inspection Door	S
Activated Carbon Filter	O
S = standard N = not required O = optional	

The functioning of this recycling unit is based on the electrostatic filtering principle. The polluted air is taken in by the fully adjustable jointed arm before passing through the filtering section.

First of all the air goes through a mechanical filter consisting of a metal wool prefilter that, besides having a spark-proof function, captures the small and medium particles. Subsequent to this, the air enters the single-component electrostatic cell where tungsten wires are mounted.

The function of the tungsten wires is to ionise the particles in the flow of air so that the walls of the cell, ionised in the opposite direction, capture and hold it.

An indicator light signals when the receiving cell is clogged and needs cleaning, using a specific detergent.

A practical inspection panel with lock allows quick access to the filtering section for checking and cleaning. Activated carbon filters are available as an option.

ICAP Suspended Mechanical Air Purification with bonded carbon filters

ICAP suspended mechanical cleaner with single arm

Suspended mechanical purifier 'ICAP'

1. Filter housing section
2. Inlet plenum
3. Connection hopper
4. Electric fan
5. S4000 suction arm

'T' Version

Ideal for the suction of fumes and gases produced by different welding techniques. The filtering section consists of partly recyclable high efficiency prefilters that act on the fumes and activated carbon filters to absorb gas and odours.

Uses:

In permanent welding positions in the mechanical industry in general.

'C' Version

Suitable for the suction and purification of low concentrations of gaseous pollutants. The filtering section consists of prefilters and an extra large activated carbon filter to absorb gas, non oily mists, etc.

Uses:

In permanent working positions in the plastics, chemical, paint industries etc.

Specification						
Model	**Filtering Sections**	**Flow Rate m³/h**	**Power kW**	**Voltage/Hz**	**Noise Level dB(A)**	**Weight Kg**
ICAP-T	1	1200	1.1	220/380/50	60	85
ICAP-BT	1	1350	1.1	220/380/50	63	50
ICAP-C	1	1200	1.1	220/380/50	60	95
ICAP-BC	1	1350	1.1	220/380/50	63	60

ECO Suspended Electrostatic Air Purifiers

The polluted air is sucked up and sent through the jointed arm's extractor by means of a high yield, low noise electric centrifugal fan, operating under pressure, which lets the air pass through evenly and at low speed into the next filtering section. In this latter section a mechanical filter traps mostly the small and medium sized particles of dust and condenses the oily emulsions. This filter is made of a metal structure with a cross-packed micro-ridged mesh.

Subsequent to this first cleaning cycle, an ionising section electrostatically charges the particles which are in the order of one hundredth of a micron, by means of a constantly generated electric discharge. A large capacity cell consisting of an alternating series of positively and negatively charged plates, separates and retains the micro-particles flowing from the ionising section.

An additional metal filter, similar to the previous one and installed upstream from the electrostatic section, acts as a safety filter, when the retaining cell is saturated. Another activated carbon filter can also be installed downstream from these filters to provide a higher filtering level, by absorbing different kinds of gases and a high degree of deodorisation.

'P' Welding Version

Suitable for the suction and purification of fumes and gases produced by different welding processes. The filtering section comprises, in particular, two metal filters, an ionising cell, a retaining cell and an activated carbon filter (optional).

'PN' Oil Mist Version

Suitable for the suction and trapping of oily substances. The filtering section comprises a high condensation drop separator, an ionising section, a retaining cell, a mechanical filter, an activated carbon filter (optional) and a sealed drawer to collect oil deposits.

ECO 2P Suspended electrostatic purifier with two arms

ECO P Suspended electrostatic purifier with single arm

Specification					
Model	**Flow Rate m³/h**	**Power kW**	**Voltage/Hz**	**Noise Level dB(A)**	**Weight Kg**
EC0-P	1700	0.75	230/400/50	65	100
EC0-2P	2400	1.1	230/400/50	65	130
EC0-PBT	1900	0.75	230/400/50	67	70
EC0-PN	1700	0.75	230/400/50	65	100
EC0-2PN	2400	1.1	230/400/50	65	130
EC0-PBN	1900	0.75	230/400/50	67	70

Due to the continued improvement of our products, specifications may vary from those provided in this leaflet. We reserve the right to alter specifications and dimensions without prior notice. Any non standard sizes manufactured to specific requirements. All dimensions quoted are approximate.