



ETNEO ITALIA

Scientific & Technology Park
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**OPERATING INSTRUCTIONS – ISTRUZIONI
D'USO**

We would like to thank you for the trust you have placed in our Company by purchasing one of our extractor hoods:

ITEM	Référence
HOOD WITH VISOR	E HI 1 P
BUILT IN HOOD	E HI 2 P
CASSETTE HOOD	E HI 3 P
DUCTED HOOD *	E HI 4 P
BOOTH HOOD	E HI 5 V/P
SUSPENDED HOOD	E HI 9 P
MINI-EXTRACTOR HOOD **	E HI 8

* Exists in two versions:

REF E HI 4 P 4S



+ 4 extraction ducts Ø 80 mm

REF E HI 4 P 6S



+ 6 extraction ducts Ø 50 mm

** Exists in two versions:

REF E HI 8 F



+Fixed fan speed

REF E HI 8 V



+Variable fan speed

PRINCIPAL CHARACTERISTICS

REF	DIMENSIONS L x H x D	POWER W	LIGHTING	EXTRACTION OUTPUT m3/h	WEIGHT Kg	DBA
EHI 1 P	500 x 430 x 350	270	YES	50-600	9	60
EHI 2 P	420 x 350 x 130	270	NO	50-600	9	60
EHI 3 P	430 x 350 x 200	320	YES	50-600	9	60
EHI 4 P	430 x 350 x 200	270	NO	50-600	Approx. 9	60
EHI 5 V/P	800 x 700 x 700	320	YES	50-600	35	60
EHI 9 P	720 x 640 x 300	270	YES	50-600	11	60
EHI 8 F	240 x 200 x 300	85	NO	240	2.5	59.3
EHI 8 V	240 x 200 x 300	85	NO	50-240	2.5	59.3

THE ELECTRICAL POWER SUPPLY FOR ALL HOOD MODELS IS SINGLE PHASE ALTERNATING
CURRENT WITH EARTH: 230 V 50/60 Hz



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DESCRIPTION

The Hood body is made of polypropylene, with good resistance to alkaline chemical agents. The recommended operating temperature is between -30° à + 95°C (bending temperature with a load of 0.46N/mm²).

The extraction fan motor controls and the lighting system are mounted in the upper part of the body, completely insulated from the extraction circuit.

Fan motor speed variation is provided by the manual control of a single-phase toroidal transformer with an output voltage of 0 - 230 V for a constant input of 230 V.

Extracted air cleaning is provided by a composite filtering unit. A micro switch in the electrical circuit prevents fan operation in the absence of the filter unit, with the exception of Hood EH18. This design offers a dual safety:

- + Provides air cleaning in the motor compartment.
- + Prevents touching moving fan blades.

Choice of filter material:

The filter material is determined in relation to the extractor use as well as in relation to the types of polluting agents. In order to maintain a clean working environment, the air extracted by the Hood must be channelled to the outside of the building.

Using the Hood without outdoors filtered air extraction is possible in certain specific instances where:

- + The type and concentration of polluting agents is well controlled.
- + Continuous monitoring of the filter clogging condition is provided. (Electronic Filter Clogging Detection system available as an option).

@@@

The composite filter element, mounted in a metal housing, fits all the Hood models and has the following characteristics:

REF	COMPOSITION	WEIGHT KG	RECOMMANDATIONS FOR USE
FC/P1	2 mechanical protection layers 2 acoustic protection layers 1 active carbon layer	2.5	Elimination of solvents and or chemical residues. Elimination of disagreeable odours. Warning: This filter should only be used in dust-free environments.
FC2 For EHI 8	Idem	0.8	
PF/P1	1 filtration layer		Pre-filter designed as an addition to the active carbon filter for dusty environments (particles >1µm)
PF2 for EHI 8	Idem		
FP/P1	2 mechanical protection layers 1 acoustic protection layer 1 filtration layer	1.5	Filter capable of capturing material particles larger than 1µm



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FA/P1	2 mechanical protection layers 1 acoustic protection layer 1 specific filtration layers	2.0	Aerosol filter capable of capturing material particles smaller than 1µm
FA2 for EHI 8	Idem	0.4	

INSTALLATION

- Place the Hood on a flat, level surface to avoid it tipping over.
- Mount the evacuation pipe in such a way as to avoid creating any constraints which might effect its stability.
- Check that the electrical supply cable length is suitable for the distance between the Hood and the power outlet.
- Check that this outlet is connected to single phase alternating current with earth: 230V, 50/60 Hz and is protected by a 6 A max. fuse.
- Open the front part of the Hood and install the appropriate filter for the application, with the guide (except EHI 8) uppermost, in front of the corresponding slot.

Warning: Incorrect filter installation will prevent the extraction starting (except EHI 8).

- Replace the front part of the Hood.

STARTING

- Check that the fan motor and lighting switches are in the 0 position.
- Check that the fan motor speed button is in the minimum position.
- Connect the electrical plug.
- Push in the fan motor switch and the lighting switch, if required.
- Adjust the fan motor speed to obtain the required filtration output level.

STOPPING

- To stop extraction, move the fan motor switch to the 0 position.
- If the Hood is to be stopped for an extended period, disconnect the mains power supply.

SAFETY RECOMMENDATIONS

- Avoid extracting liquids. In the event of a mistake, immediately stop the unit and clean and carefully dry the splattered areas before restarting the installation.
- Avoid extracting flames. These can damage the filter as well as the Hood casing.
- Avoid contact with very hot or incandescent objects.



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MAINTENANCE

WARNING: BEFORE ANY INTERVENTION DISCONNECT THE MAINS POWER SUPPLY.

HOUSING:

- Clean the Hood casing with soapy water.
- After cleaning, carefully dry any traces of dampness.
- Avoid any contact between the cleaning product and the Hood's electrical fittings.

FILTERS:

Filters: ref FP/P1 (dust extraction), FA/P1 and FA2 (aerosols).

Filter clogging varies in relation to usage time, and the type and concentration of dust in the extracted atmosphere.

In those work places where parameters are monitored, the Filter life can be calculated. Filter cleaning and replacement can be programmed; which simplifies both ongoing and periodic maintenance.

In those work places where the aforementioned conditions are variable, the use of Hoods with the Filter Clogging Detection System (Option) is recommended. This device enables Filter efficiency to be constantly monitored and filters to be replaced as soon as required.

For normal conditions of use, we recommend that you:

- Ongoing filter maintenance: Clean with compressed air at least once a week.
 - + Remove the filter element.
 - + Place it flat on raised blocks at each corner.
 - + Blow out with compressed air in the opposite direction to extraction.
- Periodic filter maintenance: Change the filter at least twice a year.



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Filters: ref FC/P1 and FC2 (Active Carbon):

The use of active carbon enables impurities, and notably disagreeable odours, to be extracted from the air.

Calculating the quantity of active carbon to be used to capture impurities is based on individual user experience.

This experience should take account of:

- the concentration rate and the type of disagreeable substances.
- the speed of the polluted air through the filter.
- the contact time between the polluted air and the active carbon.
- the volume of air to be extracted.
- active carbon's absorption rate for each substance present in the polluted air.

Taking as a basis the chemical industry and our FC/P1 Filter

FOR:

- | | | | |
|---|---|---|----------|
| - An active carbon/polluted air contact time of | : | + | 0.07s |
| - A Hood output of: | | + | 120 m3/h |
| (Air linear passage speed: 35 cm/s) | | | |
| - Average air temperature: | | + | 25°C |

Filter life could be one year. This duration diminishes in relation to increases in output.

In order to control Filtration efficiency effectively in varying operating conditions, we recommend that you programme periodic Filter replacement every six months.

SPARES PARTS THAT THE USER SHOULD KEEP IN STOCK

ITEM	QUANTITY
- Fuse: 1.2 A	2
- Filters: According to the model	2
- Bulb 25 W/220 V	2

IMPORTANT:

All our Hoods (except EHI 8F and V) are fitted with:

2 BULBS: 25 W.

The use of higher Wattage bulbs renders the Guarantee null and void.



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GUARANTEE

All products are covered by a **3-year** parts and labour guarantee, to the extent that the product has been used for the application for which it is intended and that the operating and maintenance instructions have been respected. To claim under this guarantee, you must supply a photocopy of the original purchase invoice, confirming the date of purchase.

Guarantee exclusions:

- modification or alteration of the original purchase invoice,
- unidentifiable product type and /or serial number,
- product interventions carried out by unauthorised personnel,
- damage caused by external events, and notably lightning, fire, water damage or negligence,
- product modifications or changes.

Accessories and spare parts subject to normal wear and tear are excluded from this Guarantee.

For further information, please contact: ETNEO ITALIA SRL



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PRECAUZIONI PER IL MONTAGGIO DEL FILTRO:

- 1) APRIRE LO SPORTELLLO FRONTALE DOPO AVER TOLTO LA CAPP/VISSIERA DI PROTEZIONE
- 2) FAR COINCIDERE LA SPINA DEL FILTRO CON IL FORO SUL CORPO ASPIRATORE
- 3) INSERIRE IL FILTRO FERMAMENTE AFFINCHÉ LA SPINA PROVVEDA AL CONTATTO – SENZA CONTATTO L'ASPIRATORE NON SI AVVIA.
- 4) DISPORRE IL PRE-FILTRO SE NECESSARIO
- 5) REGOLARE LA PORTATA D'ASPIRAZIONE IN RELAZIONE ALLE PROPRIE NECESSITA'

