# FRASER IONISER CLEANING KIT

It is important to clean static control equipment to maintain its efficiency and extend its working life. This applies to all static neutralisation and generation electrodes – bars, blowers, air guns, nozzles and air knives.

The Fraser Ioniser Cleaning Kit consists of a heavy duty brush and a special cleaning fluid that will keep static control equipment performing to the highest level.


The full Material Safety Data Sheet is available for download from our website or by using one of the QR Codes on page 2.

## BACKGROUND

- Static control products naturally become dirty because:
  1. The electric field attracts airborne dust.
  2. The high voltage "carbonises" the air, putting a conductive black layer onto the device.
  3. In some applications, such as printing, the contamination may be from the ink or coating. In other applications, such as hot processing of plastics, a conductive gas is generated which settles on the electrode.
- In these cases, the contamination diverts the energy to ground, reducing the energy available for ionisation in the emitter. In extreme cases the equipment may overload and shut down.

## THE BRUSH

- The brush has been especially designed to clean Fraser products. It is robust and easy to hold, protecting the operator's fingers from being scratched by the emitters.
- The 20 mm x 0.4 mm diameter nylon filaments have been designed to clean all Fraser products, including those bars with replaceable emitters. It measures 100 x 50 x 48 mm.

## THE CLEANING FLUID

- The cleaning fluid has been specially formulated for cleaning anti-static equipment. It consists of a mixture of solvent and cleaning chemicals to remove the most stubborn dirt. It evaporates without leaving any residue, is water-free and non-conductive. Use undiluted.

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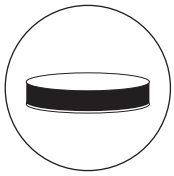
## HOW TO USE THE CLEANING KIT

You will need:

A Fraser Ioniser Cleaning Kit, containing cleaning fluid and a brush

Protective gloves

Safety glasses



A container to decant a small amount of cleaning fluid into

Important:

- Switch electrode OFF and do not switch ON until it is dry.
- Light dust can be removed by regular use of the brush.
- When there is a discolouration of the electrode - typically a grey or black colouring - or where conductive gases are produced by the process, then a regular cleaning with the cleaning fluid and brush is needed. The frequency of cleaning depends on the process and environment.
- The cleaning fluid can be poured directly onto the electrode or it can be applied to the brush. Use the liquid sparingly.

1. Dry clean the static control device using the brush. Beware of the emitter pins - these are sharp.
2. Apply the fluid directly to the bar or decant a small amount of cleaning fluid into a separate open container, large enough to allow you to dip the brush into.
3. Brush the static control device thoroughly to loosen and remove dirt and grime.
4. Moisten a cloth with cleaning fluid and wipe the static control device, being careful around the emitters.
5. Repeat steps 3-4 until the static control device is clean.
6. Polish with a dry cloth ensuring no residue remains on the emitters.

## SAFETY

The full Material Safety Data Sheet (MSDS) is available to download from https://fraser-antistatic.com/products/fraser-ioniser-cleaning-kit/

Designed for regular cleaning of ionisation systems. Evaporates without leaving any residue. Water-free and non-conductive. Use undiluted. Ingredients: Solvent mixture. Contains isoparaffins. Free from halogenated and aromatic hydrocarbons.

Hazard Statements:

H304: May be fatal if swallowed and enters airways.

H413: May cause long lasting harmful effects to aquatic life.

EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statements:

P273: Avoid release to the environment.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331: Do NOT induce vomiting.

P405: Store locked up.

P501: Dispose of contents and container in accordance with local regulations.

Scan to access the MSDS in English.

Scan to access the MSDS in German.