

# MAINTENANCE & CLEANING

## FRASER IONISER CLEANING KIT

It is important to clean static control equipment to maintain its efficiency. This applies to all static neutralisation and generation electrodes - Bars, Blowers, Guns and Airknives.

Regular cleaning will also help to increase working life and improve overall performance.

The Fraser Anti-Static Kit is designed to keep your static control equipment performing to the highest level. It consists of a brush and special cleaning fluid.



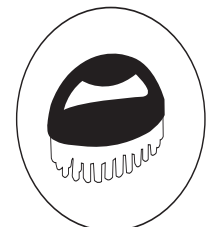
Static control products become dirty for three reasons:

1. The strong electric field naturally attracts airborne dust and contaminants.
2. Carbonisation of the air by the high voltage results in a deposition of carbon onto the body of the electrode.
3. In some applications, such as coating and printing, the contamination may be from the ink or coating. Some plastics applications produce gases which can cover the electrode with a conductive coating.

Contamination reduces performance by diverting energy away from the emitter pins - the dirtier the ioniser, the less efficient it is. In some cases the contamination may overload the system, causing it to shut down.

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 20mm x 0.4mm diameter nylon filaments have been designed to clean all Fraser products, including those Bars with replaceable emitters. It measures 100 x 50 x 48mm.

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.



## How to use the Cleaning Kit

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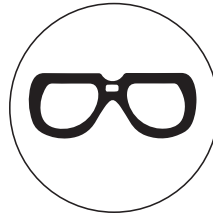
You will need:



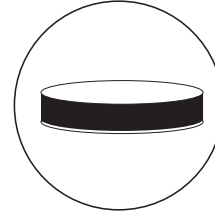
A Fraser Cleaning Kit, containing Cleaning Fluid and a Brush.



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.

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### Safety

The full Material Safety Data Sheet is available to download via [http://www.fraser-antistatic.com/images/PDFS/MSDS\\_81220.pdf](http://www.fraser-antistatic.com/images/PDFS/MSDS_81220.pdf)

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.

Use The QR Code below to access the MSDS

