



Corona Supplies Ltd

for all your corona needs

Electrode Station Maintenance Schedule

For reliable and reproducible treatment to occur the treater station must be maintained regularly. Corona Supplies recommend keeping to the following maintenance schedule:-

Note: Regular servicing of the treater, electrodes and generator by Corona Supplies service engineers will reduce the risk of equipment failure leading to expensive downtime. To arrange a service visit or better still a service contract, please contact us.

WARNING

Very high voltages are present within the corona treater station

The procedures below should only be carried out with the treater station and generator switched off & isolated from the mains supply

Corona Supplies service department should be contacted if in any doubt

| No | Checklist | Weekly | Monthly | 6 Monthly | Yearly |
|------------------------------|--|-------------------------------------|--|-------------------------------------|--------|
| Electrodes | | | | | |
| 1. | Air gap (visually) | <input checked="" type="checkbox"/> | | | |
| 2. | Air gap (physically) | | | <input checked="" type="checkbox"/> | |
| 3. | Check / clean ceramic electrodes | | <input checked="" type="checkbox"/> In very dirty or humid environments | <input checked="" type="checkbox"/> | |
| 4. | Check / clean metal & segmented electrodes | | | <input checked="" type="checkbox"/> | |
| HT Links / Insulators | | | | | |
| 1. | HT links not arcing / | | <input checked="" type="checkbox"/> | | |

| | | | | | |
|-------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|--|
| | damaged | | | | |
| 2. | HT links are secure | | <input checked="" type="checkbox"/> | | |
| 3. | HT contact (ball & Spring) | | <input checked="" type="checkbox"/> | | |
| 4. | Check / clean insulators | | <input checked="" type="checkbox"/> | | |
| 5. | Check / clean HT output insulator | | | <input checked="" type="checkbox"/> | |
| Pneumatics (if fitted) | | | | | |
| 1. | Regulator pressure set to approximately 1-bar (low pressure systems only) | <input checked="" type="checkbox"/> | | | |
| 2. | Air leaks | | <input checked="" type="checkbox"/> | | |
| 3. | Station opens and closes smoothly (PN version) | <input checked="" type="checkbox"/> | | | |
| 4. | Electrode assembly rotates freely (PN version) | <input checked="" type="checkbox"/> | | | |
| 5. | Drain Pneumatic regulator (if fitted) | | <input checked="" type="checkbox"/> | | |
| Rollers | | | | | |
| 1. | All rollers rotate freely | <input checked="" type="checkbox"/> | | | |
| 2. | Check dielectric roll coverings for damage | <input checked="" type="checkbox"/> | | | |
| 3. | Magnets on base roll correct | | | <input checked="" type="checkbox"/> | |
| 4. | Magnetic sensor correct distance from magnets (10mm) | | | <input checked="" type="checkbox"/> | |
| 5. | Inductive sensor correct distance from disc or roller (2mm) | | | <input checked="" type="checkbox"/> | |
| Safety | | | | | |
| 1. | Door & electrode switches secure (if fitted) | <input checked="" type="checkbox"/> | | | |
| 2. | All interlocks stop corona when operated | <input checked="" type="checkbox"/> | | | |
| 3. | Treater station fixings | | | <input checked="" type="checkbox"/> | |

| | | | | | |
|--------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | secure | | | | |
| Ozone extraction system | | | | | |
| 1. | Ozone ducting does not leak | | | <input checked="" type="checkbox"/> | |
| 2. | Extraction fan impellor | | | | <input checked="" type="checkbox"/> |
| General | | | | | |
| 1. | Station opens and closes smoothly (Hand operated version) | <input checked="" type="checkbox"/> | | | |
| 2. | Electrode assembly rotates freely (Hand operated version) | <input checked="" type="checkbox"/> | | | |
| 3. | Clean viewing windows | | <input checked="" type="checkbox"/> | | |
| 4. | Clean complete treater station | | | <input checked="" type="checkbox"/> | |
| Lubrication | | | | | |
| 1. | Roller Bearings | | | <input checked="" type="checkbox"/> | |
| 2. | Tilt adjustors (if fitted) | | | <input checked="" type="checkbox"/> | |
| 3. | Gap adjustor mechanism's | | | <input checked="" type="checkbox"/> | |
| 4. | Electrode return springs (if fitted) | | | <input checked="" type="checkbox"/> | |
| 5. | Motors / Gearboxes | | | <input checked="" type="checkbox"/> | |