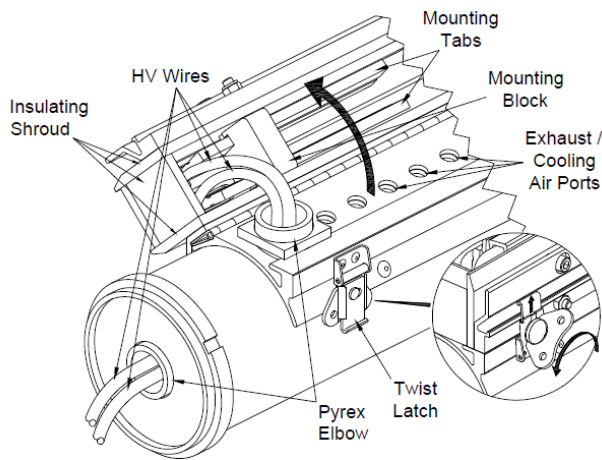


Maximize Ceramic Electrode Life

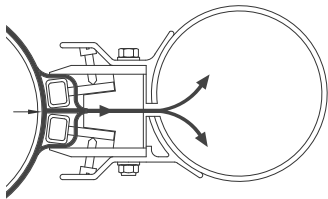
Keys to Preventing Electrode Failures

- Preventative Maintenance
- Proper Installation of electrodes & exhaust
- Elimination of physical shock



Keep your electrodes, assemblies & exhaust clean

Dirt or debris on an electrode can result in a high voltage arc which may cause the electrode to fail. Electrode assemblies and exhaust ducts that are plugged with debris will restrict exhaust air flow. Poor air flow may result in an electrode overheating and failure.

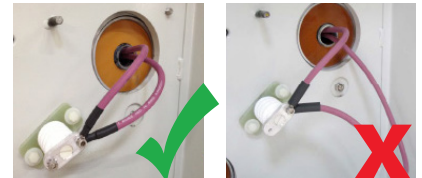


Exhaust Air Flow: Check your CFM and Static Pressure

Insufficient air flow may result in your electrodes overheating and failing. Compare your CFM and Static Pressure with the recommended values from Enercon. Insufficient exhaust may be caused by improper installation/design of duct work or duct material, leaks, changes to the exhaust path or a problem with the blower itself.

Electrode Installation: Cut the leads to the right length

Electrodes are shipped with a standard lead length with instructions to cut it to the proper length for your station. Too long of a lead can result in arcing or grounding out & failure of your electrode.



High Voltage Arcing: Determine Source and Rectify Immediately

High voltage arcing may occur if the system is not grounded properly or if there is dirt and debris on the ground roll, electrode, and insulating shroud. High Voltage arcing may result in electrode failure.

Oversized splices: Avoid physical shock

Automated splicers should be used for splicing webs. Operators preparing splices should ensure splices are not too thick. Most of Enercon's electrode assemblies are designed to swing out of the way when a splice passes through. Too large of a splice may cause the electrode assembly to violently swing out and back into position causing physical shock to the electrode which may lead to immediate or latent failure.

Older Bearing Housings: Consider updating the bearing housings

In recent years Enercon has designed custom plastic bearings to provide further protection against binding. These bearings are seize resistant and provide an additional insurance for your electrodes.



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