BALTEC Australia

Rigid Discharge Electrodes

Most Electrostatic Precipitators with rigid weighted wire or frame designs suffer from emitting electrode breakages. This happens due to slackness, erosion, corrosion, electric stress during sparking, metal fatigue etc. The failure or breakage of any single electrode forces a shutdown due to short circuit or clogging of conveyors. We manufacture cost-effective technology to improve the performance of most brands of electrostatic precipitators and our discharge electrodes can be configured to suit virtually any existing plant.

Overview

The discharge electrode is the heart of any electrostatic precipitator and its characteristics are the key to the ESP performance.

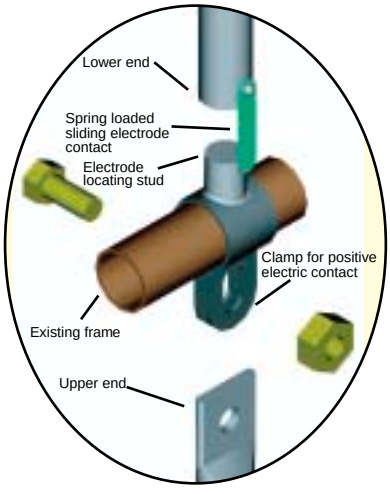
Baltec Australia undertakes extensive research in our own laboratory to define the appropriate shapes and spacing for our electrodes. This research has resulted in electrodes which give improved collection and reliability over the original manufacturer's design.

Special features

-One piece, seamless pipe of up to 15 metres.
-Annealed copper coated nails ensure sharp corona points over a long time.
-Greater distance between the corona tips and the support pipe guarantees cleaner surface for corona generation.
-Various combinations of nail positions such as opposite, alternate, double density and pitch ensure variety of characteristics to meet various dustload requirements.
-Replacement of existing emitting electrodes with matching characteristics is assured.

Advantages

-Zero probability of snapping
-No counter weights to jam or fall into the hoppers
-Higher corona generation
-Lower 'corona onset voltage'
-Higher efficiency of ESP for the same process parameter



PO Box 3070, Stafford DC, 4053, Queensland, Australia.
Ph: +61 7 3856 5001, Fax: +61 7 3856 6001
Email: apcs@baltec.net.au, Web: www.baltec.net.au