

Protecting Life-Saving Medical Equipment

DELHI, INDIA

Hospitals provide life-saving scans, surgeries and more that rely on sensitive technology and medical equipment. A hospital simply can't afford equipment failure. A large, international diagnostic imaging manufacturer knows this, which is why they worked with Purafil to test for and remedy any corrosion problems in hospitals in India.

To diagnose that corrosion was the problem in these hospitals, Purafil used Corrosion Classification Coupons (CCC). These are silver and copper bands that react with contaminants in the air to determine the level of corrosion. In both hospitals, corrosion levels were severe for both silver and copper as per ISA 71.04-2013 standard. In this environment, only specially designed electronics and equipment can survive.

The hospital knew they had to take immediate action as their machines were critical to patient care. They couldn't afford downtime and wanted to ensure that their reputation for high-quality care stayed intact.

In the first hospital, Purafil installed PuraGRID and multi-stage filters in the CT gantry room to help combat corrosion. As a result, corrosion levels dropped from GX levels to G1 levels, with an overall reduction in corrosion of 97%. In the second hospital, we added a multi-stage filter with PuraGRID filters to further reduce levels. This led to a 90% overall reduction in corrosion.

Through our CCC analysis and Purafil solution, we were able to help significantly reduce the corrosion levels in critical rooms in both hospitals. This allowed the hospitals to continue providing life-saving services. Because of the successes seen in these hospitals, Purafil has provided solutions to even more hospitals throughout India.

