

DSU for Burn Units

Pseudomonas aeruginosa is a waterborne pathogen. It is the most serious and most common cause of infections in burn patients.

Hydrotherapy equipment (showers and tanks), though useful for burn healing, have become less popular due to the infection risk from the water. Tap water used to feed this equipment is often colonized with *pseudomonas* due to biofilm in the pipes. Centralized disinfection is unable to remove this biofilm.

Elimination of waterborne bacteria is possible with the Nephros DSU. It has been proven in both dialysis units and in a case study of showers at two hospitals.

Forty (40) showers were equipped with the DSU filters (20 in each hospital). Data was collected prior to installation, 11 weeks after installation and 10 weeks after the filters had been removed. The water was tested for both legionella and total (HPC) bacteria counts. Results are displayed below.

Two Large Hospitals Shower Study - 40 Patient Rooms Results with and without Nephros DSU Filters

