

Facts about Kinetic Kleen® Solvent cleaning applications using Novaline Near Zero Emission Equipment and Petroferm Lenium® cleaning products

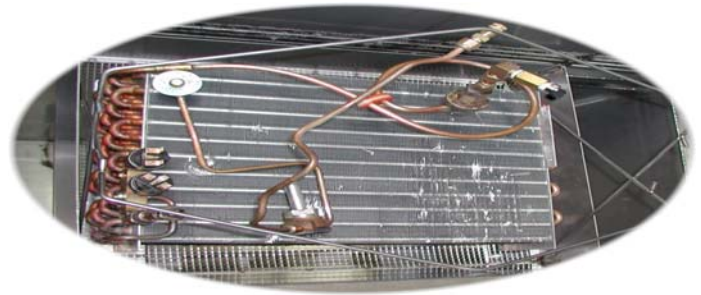


Task

When Australia's largest international airline Qantas needed to clean refrigeration heat transfer surfaces for Boeing aircraft, Critical Cleaning Technologies Australia was asked to investigate the tasks and alternatives, conduct trials to identify likely candidates and finally propose solutions.

Solution

After identifying a suitable non flammable and non toxic replacement solvent candidate Novaline CCT offered a fully turnkey package system which cleans both the external and internal surfaces of the evaporator and condenser of the refrigeration systems fitted to Boeing aircraft.



Refrigeration Evaporators unblocked ,cleaned internally and externally in a solvent vapour and ultrasonic immersion system supplied by Novaline Critical Cleaning Technologies Australia



Operator Interface control panel

Novaline Kinetic Kleen® with VapourLoc installed at Jet Base Mascot

Savings:

Large \$ savings over the previous method of replacing blocked units has enabled productivity gains which produced rapid capital expenditure pay back.

Environmental

The VERY LOW Consumption, fully self contained unit has on board recycling and requires only connection to power and compressed air .



The Equipment

A fully sealed VapourLoc Low Emission and self contained unit with onboard solvent recycling Designed and built in Australia Significantly exceeding AS 2661 using "off the shelf " components, is on wheels for easy access.

Prior to Delivery

The finished equipment was Factory Acceptance Tested in NCCT's fully equipped Sydney manufacturing and pre delivery testing facility.

Training and support

Qantas engineering technicians were fully trained in NCCT Sydney Training Workshop.

Economics :

After an initial fill the unit is self cleaning.

Clean distilled solvent is flushed through all of the internal heat transfer surfaces aided by external Ultrasonic agitation to unblock and clean

