



## Case Study 4:

# Warm Water System Disinfection

## Warm Water Loops in Aged Care and Institutional Facilities.



This Gen 2 spa installation is typical of how a Warm Water Loop Installation would be carried out.



[hydro-dis.com.au](http://hydro-dis.com.au)

### Background

With the Work Health and Safety (WHS) regulations requiring protection of residents and user from hot water scalds and burns, many systems have become active breeding grounds for Legionella. This regulatory requirement unfortunately whilst protecting the users of the facilities can create an increase opportunity for Legionella to breed often in environments with people who are susceptible to these types of infections.

### Challenge

To disinfect these systems without taking the system off line and prevent outbreaks which require major labour allocations to achieve the legislated sterilisation outcomes.

### Outcome

The system can be retro fitted into the circulation loop which constantly supplies a controlled dose of chlorine into the hot water loop ensuring disinfected water delivered to all taps and outlets. The presence of free chlorine removes any biofilm build up further reducing the possibility of legionella being harboured in the system. The Hydro-dis® technology as a Dual Disinfection System is compliant with the Code of Practice for the Control of Legionella.