

Oxford Court Lifecare village - Dunedin

Demand Rapid and Demand Duo

Two separate hot water systems



Oxford Court Lifecare is a purpose built facility providing rest home and hospital care. Their existing 1997 hot water system was undersized and in need of an upgrade to cope with increased demand.

Solution summary

- 1 x Demand Rapid (DD1200E315L) system
- 1 x Demand Duo 600 external pre-assembled manifold system

Hot water requirement

The design requirement was to provide hot water to the 48 room care facility, and a separate system for the kitchen and laundry area. Only 8-10 residents shower at one time, so hot water demand has been calculated on this simultaneous use as opposed to the full 48 room capacity.



Cater for smaller hot water requirements with a separate Rinnai Demand Rapid system, shown on the far right of the photo.

Rinnai solution

A DD600 external system was specified for the care facility to meet peak hour demand. The DD600 will provide 2379 L/hr at 60 °C, incoming water temperature calculated for worst case scenario in winter of 5 °C. A dedicated Rinnai Demand Rapid system was specified for the commercial kitchen and laundry facility where a large volume of water is needed quickly, with recovery time before being used again.

Installation details

- Date of installation April 2016
- Installer Gas & Water Ltd - Dunedin
- Specifier Rinnai NZ Ltd