



COMMERCIAL HEAT PUMP

10 VALENTINE AVE, PARRAMATTA, NSW

Owned by Australian Unity, 10 Valentine Avenue in Parramatta, NSW is a modern office building comprising 14 levels of office space.

Hot Water Requirements

With the consultant's project requirements calling for a high-efficiency hot water plant capable of accommodating 10 showers and a 2000-litre load requirement over a two-hour peak, Rheem Commercial sized and proposed a ducted commercial heat pump. Configured to vent cool discharge air into the car park entrance via a sheet metal duct, the system's flexibility was also a major advantage when it came to accommodating the limited space available for the hot water plant.

Solution

In order to provide hot water boost in situations where higher than expected peak loads or low overnight temperatures preclude heat pump hot water recovery, a 15kW heating element was installed in the top third of the 2000-litre storage tank.



FACTS & FIGURES

- 1 x 95202200D/A Rheem Commercial Ducted Vertical Discharge Heat Pump
- 1 x RT2000SS tank
- 1 x 15kW heating unit in the top flange for additional kW as required.

Hydraulic Consultant: WSP

Installing Contractor: Mr Water Plumbing

