



# 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 95201600 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

