



# CASE STUDY

## COMMERCIAL HEAT PUMP

### PARAGON FITNESS CENTRE - SOUTH AUSTRALIA



The Paragon Fitness Centre was opened in February 2009 and is a new state of the art fitness centre located in the southern suburb of Happy Valley, South Australia.

#### Hot Water Needs

The centre has 8 showers and can cater for up to 180 people per day. Rheem was asked to provide an effective and economical hot water solution to meet the demands of the fitness centre.

#### Solution

- 1 x Rheem Commercial Heat Pump
- 3 x Rheem 410L Storage Tanks
- 1 x Rheem Commercial Electric 50L water heater to service the ring main, providing up to 1,230L of hot water over the specified peak demand period.



### FACTS & FIGURES

Estimated Daily Hot Water Consumption: 3,600L

#### Tariffs

Electricity: 18c/kWh

#### Estimated Annual Running Cost

Electric Plant: \$12,770

Heat Pump Plant: \$3,412

Estimated Annual Running Cost Savings: \$9,358

Hydraulic Consultant: TMK Consulting

Installed by: Industrial Plumbing

