

MACKIE CASE STUDY, COMMERCIAL TANPAK SYSTEM



Customer story: Shire of Brookton, Aged Care Facility

Requirement

MPG designed commercial grade manifolded system, feeding 43 aged care rooms, medical facilities and commercial kitchen, sized and designed to spec.

System Specification

- Four (4) x 27 Gas Continuous Flow 88° internal flute systems
- Two (2) x 415 litre storage tanks
- Two (2) x Alternating circulating pumps 32r with alarm system
- One (1) x UV Filter
- Six (6) stage commercial AS. approved tempering Batbox
- Temperature control and wiring components connecting storage tank

Solution MPG delivered a continuous flow Tankpak that incorporated four Gas Continuous Flow internal flute systems and two 415L storage tanks. The two tanks ensure system redundancy, so that in the rare instance of a single tank expiry, the system will continue to supply the hotel's requirements with no impact on production. The Rheem continuous flow Tankpak supplies up to 90-litres-per-minute at 75°C. A unique product designed to run at higher temperatures than domestic units.

Scope of Works Mackie Plumbing and Gas were recently engaged by the Shire of Brookton to provide a commercial hot water solution for the Aged Care Facility, MPG sized and replaced the existing hot water system servicing a 380m ring main.

MPG was able to redesign and engineer the ring main, decreasing the size to 280m, which increased efficiency of the system by reduced heat loss. Given the nature of the works MPG carried out the works in a short time frame and in line with the residents' peak water usage.

Further to these works we provided extensive drainage solutions for major drainage works and pipe reline options in the shire.