

A collection of Red Seal toothpaste products including boxes of Whitening, Complete Care, Kids, and Whitening gel, along with tubes of Kids and Complete Care toothpaste, and a toothbrush in a holder.

Case Study

ENDEVAOUR CONSUMER HEALTH

PROJECT DESCRIPTION

Endeavour Consumer Health is a trans-Tasman business dedicated to providing pharmacies and consumers with affordable, high-quality brands and products. The business was formed in 2014 and is responsible for marketing and selling respected brands including Pharmacy Choice brand medicines, Faulding, Allersearch, Red Seal, Nature's Kiss Anti-Flamme, Floradix, Gran's Remedy and more.

PROJECT REQUIREMENTS & CHALLENGES

Endeavour Consumer Health's manufacturing plant required a reliable hot water solution to meet daily operational demands. The plant previously utilized three commercial cylinders, to provide hot water however, the old system was becoming increasingly inefficient, leading to rising energy costs and excessive emissions.

The company needed a more sustainable and energy-efficient alternative to reduce their carbon footprint and operational costs, while continuing to supply the necessary hot water for production processes.

PROJECT DETAILS

Endeavour Consumer Health
Rosedale, NZ

COMPLETION DATE

2023

SYSTEMS INSTALLED

1 x Q-ton Air-to-Water System
1 x 1,000L Stainless Steel Tanks

MHI REPRESENTATIVE

Eddie Van Heerden
+64 9 525 3019



MHI'S SOLUTION

Endeavour Consumer Health has installed 1 x 30kw Q-ton air-to-water system and 1 x 1000-litre tank for a more efficient hot water supply at their manufacturing plant. This new system, which replaced three 36kw commercial cylinders with a combined output of 108kw, is a testament to the Q-ton's efficiency.

The system, consisting of a Q-ton air-to-water CO₂ heat pump, provides high-temperature potable hot water with an average COP of 4.7 annually, resulting in substantial operating cost savings. The new system is 470% more efficient than the old one, and due to Q-ton's low energy usage, no additional modifications were required for the electrical supply.





mhiheatpumps.co.nz

New Zealand:

Auckland

G.S.T. 105-673-620

Phone: 0800 138 007

95 Manukau Road, Epsom, Auckland, 1023

Mitsubishi Heavy Industries Air-conditioners Australia, Pty. Ltd.
New Zealand Branch

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