

Roejen Services

CO₂-Acid Changeover Station

Brochure

February 2012



Roejen 
engineering+technical services

www.roejen.com.au

Roejen Services Pty Ltd
As trustee for Roejen Services
Unit Trust ABN 30 273 382 860

Melbourne (Head Office)
Unit 11/993 North Road
Murrumbeena VIC 3163

P (03) 9570 8233
F (03) 9570 8244
E info@roejen.com.au

Sydney
Unit 6/22 Hudson Avenue
Castle Hill NSW 2154

P (02) 9634 8233
F (02) 9634 8211
E roejen@roejen.com.au

Facility Maintenance // Water Treatment // Membrane Systems
Chemical Dosing // Ozone // UV // PLC Automation

1 System Introduction

1.1 The Roejen CO2-Acid Changeover Station

The Roejen CO2-Acid Changeover Station is a great addition to any commercial pool plant, old or new, with an existing CO2 or Acid dosing system. The Roejen CO2-Acid Changeover Station allows a second pH correcting chemical to be integrated into the plant's automated dosing system, allowing fully automatic and manual dosing.

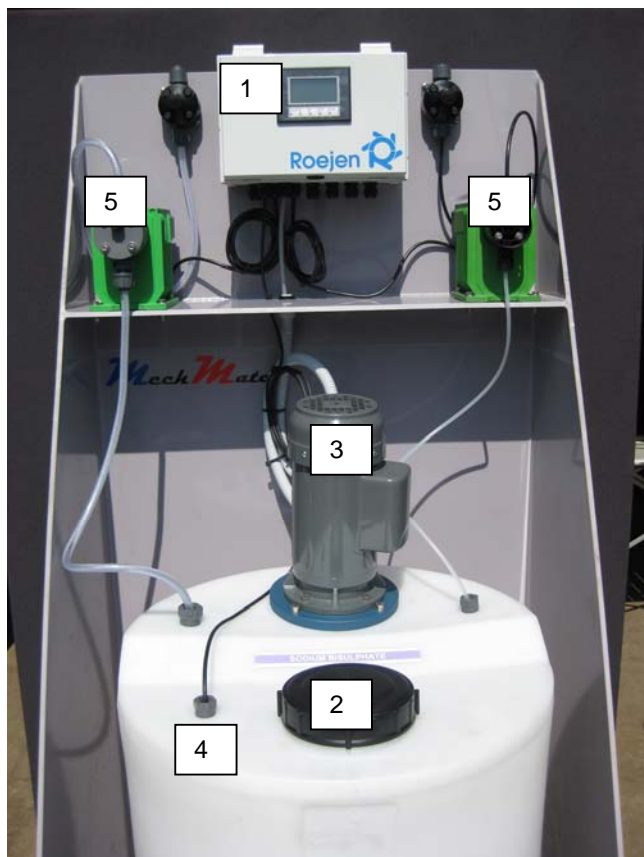
Typically CO2 dosing is used for pH correction in many pool plants, the addition of acid dosing allows for fast pH correction and greater control of total alkalinity. Further, the flexibility of having two different chemicals for pH correction gives greater reliability and continuity to dosing regimes when CO2 falls into short supply or deliveries are unreliable.

Some simple wiring allows the Roejen CO2-Acid Changeover Station to fully integrate with any existing dosing controller, and can also dose manually as a stand alone unit when the controller is offline or for shock-dosing purposes.

The Roejen CO2-Acid Changeover Station's simple and robust design will survive the rigours of the commercial pool plant and offer many years of reliable service.

2 System Overview

2.1 System Overview



The Roejen CO2-Acid Changeover Station can have one or more Acid Pump/s and internal control relays, servicing CO2 and Acid to one or multiple bodies of water. The Station will be sized to suit the plant.

2.2 Physical Description

The Roejen CO2-Acid Changeover Station consists of a Control Box, Acid Tank, Acid Mixer, Low Level Switch and Acid Dosing Pump/s for each pool.

1. Control Box
2. Acid Tank
3. Acid Mixer
4. Low Level Switch (cable entry, actual switch sits close to bottom of tank)
5. Acid Dosing Pump