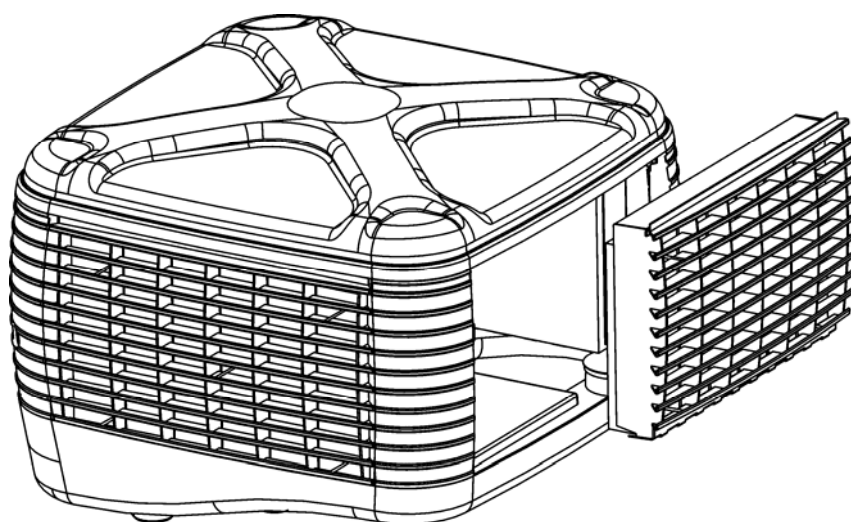


H²Optimiser
Water Management System

Suits

Bonaire Integra



Owner's Information



H²Optimiser

Introduction

Your new Bonaire Integra has been fitted with an H²Optimiser water management system. This H²Optimiser is designed to give increased water savings through controlled management of the maintenance water.

All units using conventional bleed and dumping systems require regular bleeding or dumping of the water during each day. With the H²Optimiser Water Management system, water can be held for much longer periods of time before being released conserving up to 45% of water usage.

This is achieved by using the CARE-FREE Water Conditioner A/C 6 in the water distribution circuit. The CARE-FREE Water Conditioner A/C 6 disrupts the cohesion of dissolved solids reducing the opportunity for scale precipitation.

The H²Optimiser will only operate successfully when dissolved solids in the water does not exceed 300 parts per million.

Set Up

Very little is required to set up the H²Optimiser. 2 dip switches in the control box set the water drain cycle times suitable to the dissolved solids in the water. The unit comes from the factory with the water drain cycle times preset. The drain cycle dip switches are located inside the unit control box.

To check the correct setting has been applied, see the table below.

NOTE: Isolate the power to the control box before opening the control box lid.

Maximum Pump Runtime Between Drain Cycles.

Dip Switches	100ppm	200ppm	300pm
Large	28hrs	23 hrs	16 hrs
Medium	33hrs	27 hrs	18 hrs
Small	48hrs	40 hrs	27 hrs

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Installation

The Integra unit comes with most of the H²Optimiser components already installed.

- The CARE-FREE Water Conditioner A/C 6 is installed in the water distribution circuit.
- The water outlet solenoid and overflow fitting have been installed and the wiring loom is connected to the control board.
- The water inlet valve loom has been connected to the control board.

Installation Requirements

- Install the water inlet solenoid valve onto the ball float valve using the 90° elbow provided.
- Connect the flexible connector to the inlet solenoid valve.
- Connect the solenoid wiring loom to the inlet solenoid valve terminals.
- Connect the flexible connector to the mains water.

Refer to the unit installation instructions for all other installation requirements.

H²Optimiser Operation

The H²Optimiser has 2 functional areas:

- The water outlet solenoid is part of the water distribution circuit. Once the hour counter setting has been met, the inlet valve will close and the water outlet valve will open allowing the sump water to be pumped out of the unit for a period of 3 minutes. The water outlet solenoid will then close, the water inlet valve will open and normal operation will be resumed. If there has been no activity of the unit for 30 days since last usage, the unit will pump out the sump water upon unit reactivation
- The CARE-FREE Water Conditioner A/C 6 generates its own current once it has been fully submersed in the water reservoir.

H²Optimiser

Maintenance Requirements

1. Start Up Maintenance:-

With a new product there is the opportunity for new product residuals to make their way into the water reservoir. After approximately 8 hours of operation, check the following:-

- Check and clean out any water blockage in the A/C6.
- Check and clean out any water blockage in the water outlet solenoid filter.
- The unit tank / reservoir may need to be cleaned out. Remove the over flow pipe and wash the tank out.

2. Annual Maintenance:-

Annual inspection of the water outlet and the CARE-FREE Water Conditioner A/C 6 is recommended.

- To clean the sacrificial anode, remove and soak it in vinegar for 5 – 10 minutes. Rinse off with water before reinstalling it.
- If the anode is oxidized scrape clean. Replace the anode if severely corroded.

The longevity of the anode is determined by the type of water it is immersed in.

- Check and clean out any water blockage in the A/C6.
- Check and clean out any water blockage in the water outlet solenoid filter.
- Clean the unit tank / resevoir