

ECO Energy Smart Pump

INSTALLATION & OPERATION

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OVERVIEW

Noria ECO pumps are intelligently designed to easily meet demand when required and give optimum energy efficiency with greatly reduced noise levels. If run on a low speed setting the ECO pump will significantly reduce the overall pool operating costs of up to 80%.

Quality materials and workmanship, rigid construction and a single piece of super tough and highly stable reinforced thermoplastic makes the Noria ECO pumps outstandingly durable. The Noria ECO difference continues with the use of stainless steel shafts for strength; larger hair and lint pots reduce the need for frequent cleaning. The research invested in Noria ECO pumps is reflected in the user-friendly, easy to open inspection lids, operation and barrel unions.

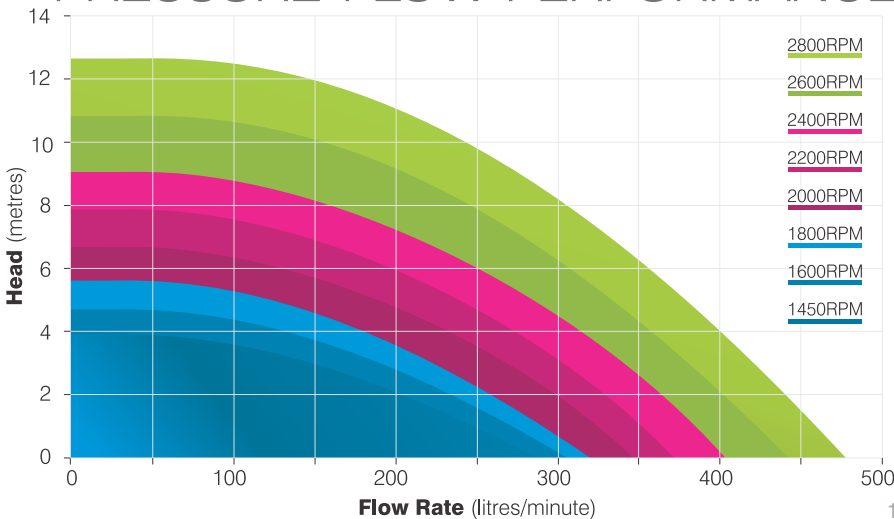
The Noria ECO pump is part of a range of intensively researched, high quality, connected products that work in harmony to ensure the pool is easy to maintain and ready for use at any time.

SPECIFICATIONS

Width
Height

ECO
730mm
385mm

PRESSURE-FLOW PERFORMANCE



START-UP PROCEDURE

Your ECO pump(variable speed pump) is designed for maximum energy efficiency whilst still keeping your pool crystal clear . To maximise the energy efficiency, the ECO pump should be run at the lowest speed setting possible to efficiently filter your pool water. It is recommended that the first speed setting should be set to this filtration speed and used for at least 6-8 hours per day, whilst the second speed is set for use only with automatic suction cleaners and used once a week only. The third speed should be set to maximum speed and only used for backwashing and manual vacuuming.

Once the pump has been plumbed in and the glue has cured, it is time to prime the pump. Follow the instructions below.

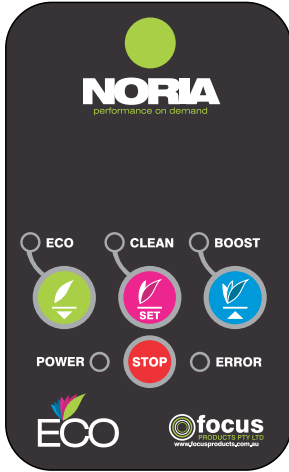
1. Check all the connections are hand tight.
2. Remove the lid from the pump by unscrewing the lid locking knobs.
3. Fill the hair and lint pot with water to the bottom of the inlet (around 4 litres).
4. Refit the lid and tighten the lid locking knobs ensuring the o ring is in place.
5. Open any inline valves. Make sure the filter multiport valve is not in the closed position.
6. Switch on the power at the power supply and the ECO pump will automatically run the “priming” mode (full speed) for 3 minutes. The pump should automatically prime within this period but if it doesn't please follow steps 1 through to step 6 again. Once the pump has primed select the first speed setting and adjust the speed for best filtration flow ensuring the salt chlorinator cell (if fitted) has filled with water.

INSTALLATION

1. The pump should be installed on a hard surface such as a concrete slab or paver. The pump should be installed in a well ventilated enclosure that is resistant to flooding or other water damage.
2. Place the pump in the position required ensuring there is at least 100mm of spacing between the fan cowling and the wall of the enclosure. This ensures sufficient ventilation for cooling.
3. Fit the threaded nut and tail to the suction and the discharge ports of the pump ensuring the o rings are attached (40mm and 50mm are supplied depending on the size of pipe).
4. Plumb the suction side of the pump to the skimmer (suction) pipe including any valves required.
5. Plumb the discharge side of the pump to the filter inlet including any valves required.
6. Plug the power lead into an approved power supply.
DO NOT SWITCH ON
7. Allow a minimum of 2 hours for the glue to set (for best results wait 8 hours).

NOTE: Be sure to use primer to clean any pipe and fittings before gluing together with type P pressure glue. This ensures a quality join.

SETTING THE SPEED



Normal Operation Mode

Press Button:



For ECO Mode (LED will flash when selected)

For CLEAN Mode (LED will flash when selected)

For BOOST Mode (LED will flash when selected)

Off Button (LED will flash when selected)

NOTE

- If power is removed, motor will return to the last speed selected when power is restored.
- Motor will remember ON/OFF state
- If there is a fault, fault LED will blink as per normal. Original Fault codes apply.

Adjustable Speed Mode:

(this feature is available following the 5 minute priming period)

Press Button:

Press and Hold  ,  or  for approximately 3

seconds (until the LED begins to flash) to switch to Adjustable Speed Mode.



To decrease selected mode by 50 RPM increments.

To save the current speed setting and return to normal operation mode.

To increase selected mode by 50 RPM increments.

Will cancel the change and revert back to the original speed and return to normal operation mode.

PUMP CARE

CLEANING THE BASKET

1. Switch off the pump at the power supply
2. Close any valves on the pipe work
3. Unscrew the lid locking knobs and remove the lid
4. Remove the pump basket
5. Empty debris
6. Refit the basket
7. Refit the lid and tighten lid locking knobs
8. Open the valves on the pipe work
9. Switch on at the power supply

LEAKS

If the ground around the pump is wet or damp it indicates there is a leak. Trace the leak to the source and repair the problem.

1. Check to make sure all the barrel unions are tight and o-rings are fitted.
2. If the pump lid leaks when the system is turned off ensure the o ring is lubricated and fitted correctly.
3. If no visible leaks are seen but water is still visible around the base of the pump, it indicates the mechanical seal has failed. Switch off the pump and contact your pool professional as soon as possible. A leaking mechanical seal will cause motor damage.

MOTOR

The motor should be in a well ventilated area free of debris. It is essential that the area is dry as water can cause damage to the electrics. The motor is fitted with a thermal overload switch and may cut out if the pump overheats. It will automatically reset itself when the motor cools. Water temperature is not to exceed 45 degrees celcius.

SEALS

The pump has o rings that require occasional lubrication. It is imperative that a silicone based lubricant is used. DO NOT use petroleum based products as these result in damage to the o rings.

The mechanical seal consists of two parts. A spring loaded rotating seal with a polished carbon face and a stationary ceramic seat. When pressed together these surfaces create a seal between the wet end and the motor. Damage to this seal may occur when running the pump without water flowing through it. This type of damage is easily detected and may not be covered by your warranty. Monitor the water level in the pool regularly. Empty the skimmer and pump baskets and clean the filter on a regular basis. DO NOT operate the pump with inline or filter multiport valves closed.

PRECAUTIONS

- This appliance must be installed by a qualified service technician. When installing the appliance, ensure all parts are installed in the correct zone in accordance with the wiring rules. Refer to AS/NZS 3000.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The minimum operating head in metres for this appliance is 8m. The maximum total head in metres for this appliance is 12.8m
- The pump is to be either supplied by an isolating transformer, or supplied through a residual current device (RCD) with a rated residual operating current not exceeding 30mA.
- Should the supply cord become damaged, it must only be replaced by Focus Products, or its service agent or a suitably qualified person, in order to avoid a hazard.
- This appliance may be secured to the base on which it is located, by securing the appliance to the base with an appropriate fixing method utilising the mounting holes provided in the appliance feet.
- Water temperature not to exceed 45 degrees C

WARRANTY

Noria ECO energy smart pumps are covered by a 3 Year warranty against defects in materials and workmanship from the date of purchase. This warranty is subject to conditions and limitations herein after stated. If there is a failure with any component of the pump, you must notify Focus Products within the warranty period.

Focus Products will at its option, replace or repair any defective parts. Component failure must be due to a defect in materials or workmanship. This warranty does not apply if failure is due to , abuse, misuse, improper installation or any of the following:

- Running the pump dry.
- Running the pump off an extension lead.
- Improper chemical balance.
- Water damage from external sources.
- Cement, pebbles, building materials blocking the impeller.
- The pump being used on applications unrelated to swimming pools or spas (i.e. Salt water aquaculture).

To obtain warranty, please contact our Service Department to be directed to the nearest Warranty Service Agent. If your warranty service is diagnosed to be a non-warranty item, you will be charged for a diagnostic service call.

Focus Products shall have no liability for incidental or consequential damages. No person is authorised to make any representation or warranty on behalf of Focus Products other than what is stated here.

Commercial Installations

Commercial installation parts and labour warranty is 12 months from the date of purchase.

Focus products assumes no liability for consequential damages of any kind.

ECO WARRANTY REGISTRATION CARD

Please fill out the details below and post to:

Focus Products Pty Ltd

PO Box 131 Carole Park

QLD 4300

Name

Address

Suburb

Postcode

Purchased From

Date Purchased

____/____/____

Installation Date

____/____/____

Model

☐ ECO

Serial Number

Signature

OFFICE USE ONLY

RECEIVED

____/____/____

RECEIVED BY

WARRANTY#

A PERFORMANCE PRODUCT BY



1300 1 FOCUS

P 1300 1 36287

F 1300 2 36287

A 35 Moreton Street
HEATHWOOD Q 4110
PO Box 131
CAROLE PARK Q 4300

noria@focusproducts.com.au

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