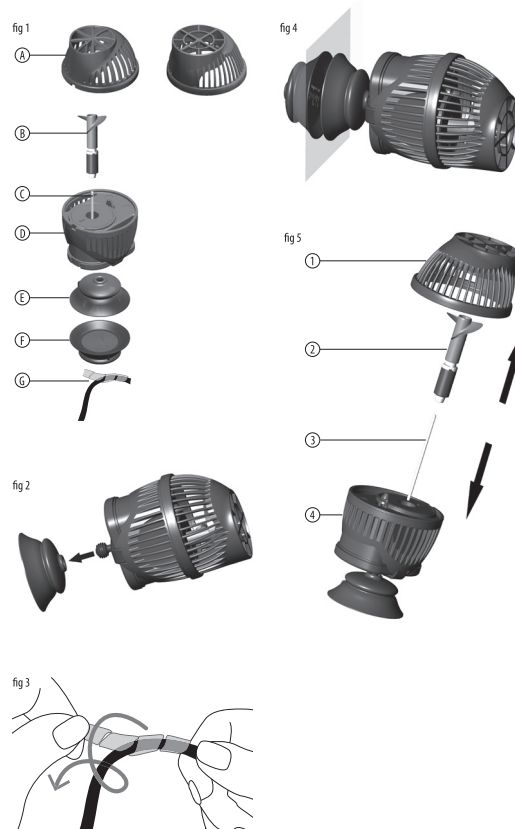


Koralia 900/240 1600/425 User's Guide

Hydor

Assembly



Hydor

IMPORTANT SAFETY INSTRUCTIONS

WARNING - To guard against injury, basic safety precautions should be observed, including the following:

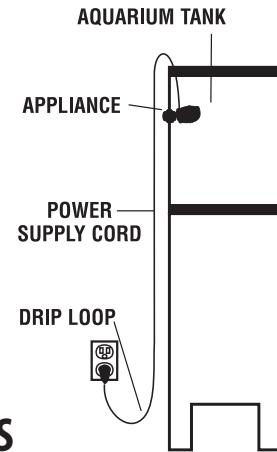
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

DANGER - To avoid possible electric shock, special care should be taken in the use of aquarium equipment. For each of the following situations, do not attempt repairs yourself; return the appliance to an authorized service facility for service or discard the appliance.

1. A) If the appliance shows any sign of abnormal water leakage, immediately unplug from the power source
- B) Carefully examine the appliance after installation. It should not be plugged in if there is water on parts not intended to be wet.
- C) Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or if it is dropped or damaged in any manner. Inspect power cord insulation to be sure there are no cuts or exposed wire. If so, discard and order a new replacement.
- D) To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip loop", shown in the Figure at right, should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. The "drip loop" is that part of the cord below the level of the receptacle or the connector if an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, DON'T unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in the receptacle.
2. Close supervision is necessary when any appliance is used by or near children.

Hydor

3. To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, etc.
4. Always unplug an appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.
5. Do not use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
6. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.
7. Make sure an appliance mounted on a tank is securely installed before operating it.
8. Read and observe all the important notices on the appliance.
9. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may over heat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.



SAVE THESE INSTRUCTIONS

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Technical data

230-240-50Hz				
model	power absorbed	flowrate	fresh water from... to...	marine water from... to...
koralia 900	4.5 W	900 l/h	60-100 l	36-60 l
koralia 1600	4.5 W	1600 l/h	100-180 l	64-100 l
115-60Hz				
koralia 240	3.5 W	240 gph	16-28 gal	10-15 gal
koralia 425	3.5 W	425 gph	28-50 gal	15-30 gal
100-50 Hz				
koralia 900	4.5 W	900 l/h	60-100 l	36-60 l
koralia 1600	4.5 W	1600 l/h	100-180 l	64-100 l
100-60 Hz				
koralia 900	3.5 W	900 l/h	60-100 l	36-60 l
koralia 1600	3.5 W	1600 l/h	100-180 l	64-100 l

MAINTENANCE CHART			
	EVERY MONTH	EVERY 3 MONTHS	EVERY 2 YEARS
	check & clean		check & clean/change
	check & clean		
		check & clean	
		check & clean	

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SPARES ERSATZTEILE RECAMBIOS WISSEKSTUKKEN RECHANGES RICAMBI スペアパーツ				
	Koralia 425	Koralia 240	Koralia 1600	Koralia 900
	xp1909	xp1909	xp1901	xp1901
	xa0120	xa0120	xa0119	xa0119
		xp1942		xp1940
	xp2902		xp2901	
	xp1943	xp1943	xp1941	xp1941
	xp1542	xp1542	xp1509	xp1509
	xp2923	xp2923	xp2922	xp2922

Hydor

Koralia 900/240 - 1600/425

Dear Hobbyist,
we thank You for choosing a Koralia Nano pump. Please read the following instructions very carefully for best understanding of the characteristics of this new, unique and innovative product.

Introduction

Designed especially to work in small reef aquariums, **Koralia Nano 900 l / 240 gal** and **Koralia Nano 1600 l / 425 gal** are part of Koralia, the new innovative and unique range of circulation pumps for aquariums. The exclusive Hydor design and technology guarantee a continuous and powerful water flow which can be directed freely thanks to the special sphere shaped connection to the exclusive combination suction cup + magnet support. High performance, low energy consumption, quick and easy maintenance. The combination suction cup + magnet can safely hold Koralia Nano positioned in tanks with glass (or acrylic) up to 10mm - 3/4 in thick.

Description - fig.1-

- A. Upper chamber
- B. Impeller
- C. Shaft
- D. Pump body / Lower chamber
- E. Internal suction cup + magnet support
- F. External suction cup + magnet support
- G. Cable protector

Attention!!!

Koralia pumps are specially designed for use in aquariums and tanks for water movement. It is not a filtration pump. Please refer to your dealer for any other application.

Safety information

Attention: please verify that all components of the pump are undamaged before putting it into function. Before any kind of intervention, ALWAYS disconnect electrical supply of the pump and any other appliance placed in the water. Be sure that the voltage of the mains supply corresponds to the voltage shown on the unit's label.

- The pump is intended for indoor use only in fluid with a temperature of max. 35°C (95°F).
- Do not connect to electrical supply if pump is not completely immersed in water.
- Do not connect to electrical supply if pump is missing parts.
- Do not connect to electrical supply if pump is not positioned using the supplied suction-cup + magnet support.
- The cord of this pump cannot be replaced or repaired; in case of damage the entire unit must be substituted.
- Do not cut or pull on the electrical cord.
- Always disconnect from mains gently and make sure hands are dry.
- When in function, make sure that the pump surface is not blocked.
- When in function, make sure that the pump does not take in sand, as this could seriously damage the unit and void the guarantee (read carefully the maintenance paragraph)
- Due to the high attraction level between the magnets in the support, keep out of reach of children.
- Avoid attaching the magnets directly to one-another.
- Make sure you hold the magnets from the sides and avoid placing hands, fingers in between.
- At a distance up to 5 cm (1,97 inches) the magnets attracts metal objects and other magnets with a high force: to prevent injuries, avoid closeness with blades, sharp objects or other magnets.
- The magnet can cause permanent damage to electrical devices or articles that are affected by a magnetic field such as pacemakers, credit cards, or keys: always maintain them at a minimum distance of 30cm (12 inches).
- When not in use, always place the carton separator between magnets.
- If exposed to temperature higher than 50°C (122°F) the magnets can lose part or all the attracting power.
- Always clean the aquarium side before placing the suction cup + magnet support: any dirt on the surface might prevent the suction cup

English

Hydor

from attaching properly and the pump might slip on the bottom of the aquarium causing damage to things and itself.

- Please keep these instructions in a safe and dry place.

Installation

Attention: please verify that all components of the pump are undamaged before putting it into function. Before any kind of intervention, ALWAYS disconnect electrical supply of the pump and any other appliance placed in the water. Be sure that the voltage of the mains supply corresponds to the voltage shown on the unit's label.

In order to prevent noise and disturbance caused by vibration we suggest to position the pump avoiding lateral contact with the aquarium glass or in an upward position on the bottom.

- Unwind the electric cable.
- Insert the cylinder on the sphere attachment to the pump in the proper slot - Fig. 2-.
- If necessary apply the cable protector (G) (ideal use is tanks with urchins, triggers, puffers and/or parrot fish) as shown in Fig. 3, protecting the submerged part of the cable. If the cable protector is too short, you can apply more than 1 (available for purchase code XP 2922 - USA code XP 2923).
- Immerse the pump completely and turn it in a vertical position in order to allow any air to come out of the impeller chamber.
- Attach the pump with the internal part of the suction cup + magnet support to the aquarium side as desired - Fig. 4- remember to clean the surface before attaching the support).
- Direct the water flow as desired.
- Connect to electrical supply.

Maintenance

- Attention:** Before any kind of intervention, ALWAYS disconnect electrical supply of the pump and any other appliance placed in the water.
- Regular cleaning and maintenance will guarantee the pump better and longer performance.
 - With one hand hold the pump assembly, with other hand remove the external magnet to release. (use the appendix on the outside of the suction cup to help you in this operation).
 - Disassemble as shown (Fig.5)
 - Clean the impeller assembly removing deposits with a soft brush. Do not use detergents or solvents.
 - Reassemble everything in reverse order, make sure the notches on the pump chambers correspond and that the shaft is placed correctly.
 - In case of abnormal noise and/or reduced performance caused by sudden changes in electricity supply, it is sufficient to restart the pump.

European union disposal information

This symbol means that according to local laws and regulations your product should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Some collection points accept products for free. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment