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› AquaForte Hi-Flow V-30 Air Pump Kit - User Manual

AquaForte SC405

AquaForte Hi-Flow V-30 Air Pump Kit User Manual

Model: SC405
Brand: AquaForte

INTRODUCTION

Thank you for choosing the AquaForte Hi-Flow V-30 Air Pump Kit. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your air pump. Please read these instructions carefully before use and retain them for future reference.

PRODUCT OVERVIEW

The AquaForte Hi-Flow V-30 is a highly efficient and quiet air pump designed for continuous operation in ponds and aquariums. It features a high-quality aluminum alloy casing and a double air chamber for superior performance and pressure. This complete kit includes the V-30 air pump, 25 meters of 4x6mm air hose, and six 5cm air stones, along with a 4-compartment air distributor.



Image: The AquaForte Hi-Flow V-30 Air Pump Kit, showing the pump unit, air hose, air distributor, and air stones.

SAFETY INSTRUCTIONS

- Always disconnect the power supply before performing any maintenance or cleaning.
- Ensure the pump is placed in a dry, well-ventilated area, protected from direct sunlight, rain, and splashes.
- Do not immerse the pump in water. It is rated IPX4, meaning it is protected against splashing water, but not submersion.
- Keep the power cord away from sharp objects and hot surfaces.
- Membranes are wear parts and require annual replacement to maintain optimal performance.
- 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.

SETUP

1. **Unpack Components:** Carefully remove all items from the packaging: the V-30 air pump, 25m air hose, 4-compartment air distributor, and 6 air stones.
2. **Position the Pump:** Place the air pump on a stable, dry surface near your pond or aquarium. Ensure it is above the water level to prevent back-siphoning.

- 3. Connect Air Hose to Pump:** Attach one end of the 4x6mm air hose to the pump's air outlet (14mm). Secure it firmly.
- 4. Connect Air Hose to Distributor:** Cut the air hose to the desired length. Connect the other end of the main air hose to the inlet of the 4-compartment air distributor.
- 5. Connect Air Stones:** Cut smaller lengths of air hose to connect each of the six air stones to the outlets of the air distributor.
- 6. Place Air Stones:** Carefully place the air stones into your pond or aquarium at the desired depth.
- 7. Power Connection:** Once all connections are secure and the pump is safely positioned, plug the power cord into a suitable electrical outlet (220-240V).

OPERATING INSTRUCTIONS

The AquaForte Hi-Flow V-30 air pump is designed for continuous operation. Once plugged in, the pump will start automatically. There is no on/off switch on the pump itself.

- **Starting the Pump:** Plug the pump into a grounded electrical outlet. Air will immediately begin to flow through the hoses and air stones.
- **Adjusting Air Flow:** The kit includes a 4-compartment distributor, allowing you to adjust the air flow to individual air stones. For more precise control over the pump's overall output, an optional FC-300 flow controller can be purchased separately and connected to the pump.
- **Stopping the Pump:** To turn off the pump, simply unplug it from the electrical outlet.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AquaForte Hi-Flow V-30 air pump.

- **Cleaning the Air Filter:** Periodically check and clean the air filter to prevent dust and debris from entering the pump. Disconnect power, open the filter compartment, remove the filter, clean it with water, and ensure it is completely dry before reinserting.
- **Membrane Replacement:** The membranes inside the pump are wear parts and should be replaced annually. Failure to do so may result in reduced performance or pump failure. Replacement kits are available from AquaForte.
- **Hose and Air Stone Inspection:** Regularly inspect the air hoses for kinks, cracks, or blockages. Clean air stones if they become clogged with algae or debris, as this can reduce air flow.
- **Casing Cleaning:** Wipe the exterior of the pump with a damp cloth to keep it clean. Do not use harsh chemicals.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No air output	No power; clogged air filter; damaged membranes; kinked hose.	Check power connection; clean/replace air filter; replace membranes; check and straighten hose.
Low air output	Clogged air filter; worn membranes; clogged air stones; deep water placement.	Clean/replace air filter; replace membranes; clean air stones; ensure air stones are not too deep.

Problem	Possible Cause	Solution
Unusual noise/vibration	Loose components; pump not on a stable surface; worn membranes.	Check for loose parts; place pump on a flat, stable surface; replace membranes.

SPECIFICATIONS

Model: AquaForte Hi-Flow V-30 (SC405)

Power Consumption: 25 Watts

Air Flow Capacity (at 1.2m depth): 17 Liters per minute

Air Flow Capacity (at 2m depth): 7 Liters per minute

Max. Pressure: 2.5 meters

Cable Length: 5 meters

Output Diameter: 14 mm

Input Voltage: 220-240 V

IP Class: IPX4

Noise Level: <40 dB

Dimensions (L x W x H): 39 x 25 x 20 cm

Material: Aluminum alloy casing

Included Hose Length: 25 meters (4x6mm)

Included Air Stones: 6 x 5cm diameter

WARRANTY AND SUPPORT

AquaForte products are manufactured to high-quality standards. Spare parts, including replacement membranes, are available for a period of 10 years from the date of purchase. For warranty claims, technical support, or to purchase spare parts, please contact your AquaForte dealer or visit the official AquaForte website. Please retain your proof of purchase for any warranty claims.