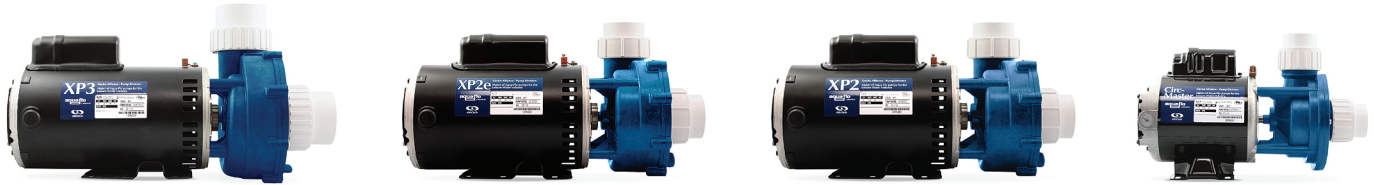




## Aqua-Flo by Gecko pumps for small to swim spas



Flo-Master® xp3, Flo-Master® xp2e, Flo-Master® xp2, Flo-Master® hp/cp, Circ-Master hp/cp, Whirlmaster

### IMPORTANT SAFETY INSTRUCTIONS

When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

#### READ & FOLLOW ALL INSTRUCTIONS



#### WARNING

To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.



#### WARNING

Risk of electric shock. Connect only to a branch circuit protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot verify that the circuit is protected by a GFCI.



#### WARNING

This unit must be connected only to a supply circuit that is protected by a ground-fault circuit-interrupter (GFCI). Such a GFCI should be provided by the installer and should be tested on a routine basis.



To test the GFCI, push the test button. The GFCI should interrupt power. Push the reset button. Power should be restored.

If the GFCI fails to operate in this manner, the GFCI is defective. If the GFCI interrupts power to the pump without the test button being pushed, a ground current is flowing, indicating the possibility of an electric shock. **Do not use this pump.** Disconnect the pump and have the problem corrected by a qualified service representative before using.



#### CAUTION

This pump is for use with permanently-installed pools and may also be used with hot tubs and spas if so marked. Do not use with storable pools.

A permanently-installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage.

A storable pool is constructed so that it is capable of being readily disassembled for storage and reassembled to its original integrity.



Do not install within an outer enclosure or beneath the skirt of a hot tub or spa unless so marked.

#### SAVE THESE INSTRUCTIONS

going strongly against the flow

pumps for small to swim spas





# Aqua-Flo by Gecko

## pumps for small to swim spas

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### INSTALLATION & OPERATING INSTRUCTIONS

Bonding wire – Upon installation of the pump, the motor must be bonded with (no smaller than) a no.8 awg (8.4 mm<sup>2</sup>) solid copper conductor per national electric code. The connection should be from the accessible wire connector on the motor to all metal parts of the swimming pool, spa or hot tub structure and to all electrical equipment, metal conduit and metal piping within 5 feet (1.5m) of the inside walls of the swimming pool, spa or hot tub, when the motor is installed within 5 feet of the inside walls of the swimming pool, spa or hot tub.

REMINDER: FOR ELECTRICAL CONNECTIONS, SEE WIRING DIAGRAM ON MOTOR RATING PLATE.

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#### GENERAL

- Your Aqua-Flo by Gecko pump has been quality built and engineered to give maximum efficiency under normal working conditions. Consult the manufacturer for any other applications.

#### LOCATION OF PUMP

- For best pump performance, locate the system as close to the water source as possible. Provide adequate access around the pump for inspections and maintenance.
- This pump was designed for below water level (flooded suction) applications. Make sure the pump is installed at a level that will allow the pump casing (volute) to be completely filled with water.

#### PLUMBING AND FITTINGS

- Two compression fittings are included with your pump for ease of installation and maintenance. Make sure the fittings are correctly aligned with pump connections to allow the o-ring to ensure proper sealing. **Hand tighten only. Do not use a wrench to tighten fittings.**
- Avoid excessive tightening of pipe or fittings in any areas where threaded connections are used.
- **For Aqua-Flo by Gecko's compression fittings DO NOT USE any Thread seal tape (PTFE tape), Teflon Quick-Seal Thread Sealing Compound, Plasto-Joint Stik or any other sealants.**

- For NPT threaded connections (**and ONLY National Pipe Thread threaded connections**) use any Thread seal tape (PTFE tape), Teflon Quick-Seal Thread Sealing Compound, Plasto-Joint Stik or any other sealants formulated specifically for plastics.

#### STARTING & PRIMING PUMP

- **Do not run unit dry.** Always be certain that the pump casing is filled with water before starting the unit. Allow a reasonable amount of time for priming. If pump will not start or will not prime, see troubleshooting section in this manual.

#### MAINTENANCE

- Keep the motor clean. Ensure that all openings are free from debris and obstructions. Over a period of time, the impeller seal may become damaged or worn and must be replaced.

#### WINTERIZATION

- To prevent damage during freezing conditions, disconnect all electrical power. Drain thoroughly and clean out any debris. Protect pump and motor from elements by covering or, if possible, store in a dry, well ventilated room.



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