



Laser Sand Filter System

Owner's Manual and Installation Guide

221666072077

Congratulations! You have purchased one of the most user-friendly pool filter systems available. Ideal for an above-ground pool or in-ground vinyl liner pool, this filter system will provide you with many years of pool enjoyment. This step-by-step installation and maintenance guide will provide the necessary information for you to install your new pool system and easily maintain the equipment.

FILTER MODEL	FLOW RATE (US GPM/4.5 L)	FILTER RATE (US GPM)	SAND REQ'D (POUNDS)	MAXIMUM PRESSURE (PSI)
ATL160C, L160C & AQUAMAX 160C	20.0	27	140	35
ATL190C & L190C	20.0	37	200	35
ATL190C, L190C & AQUAMAX 200C	20.0	37	200	50
ATL225C, L225C & AQUAMAX 225C	20.0	53	250	50
ATL250C, L250C & AQUAMAX 250C	20.0	66	350	50

Before installation be sure to read all instructions and warnings carefully. Refer to product label(s) for additional operation instruction and specifications.

INSPECTION

Examine the equipment when received. Notify your dealer or carrier of any damage or missing parts. Verify that equipment is of size and model specified.

IMPORTANT SAFETY INSTRUCTIONS

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



WARNING

RISK OF SUCTION ENTRAPMENT HAZARD WHICH, IF NOT AVOIDED, MAY RESULT IN SERIOUS INJURY OR DEATH.

Pumps can quickly generate high suction, which poses the risk of entrapment if improperly connected to suction outlets. Disembowelment, entrapment, or drowning is possible when body parts or hair contact damaged, cracked, missing, or unsecured drain covers and suction outlets. Pumps and fittings shall be installed in accordance with the latest NSPI or IAP standards, CPSC guidelines, and national, state and local codes, to minimize this risk. Some of those requirements are as follows. Always consult the latest regulations to ensure that your installation meets the necessary requirements to minimize suction entrapment.

1. All fully submerged Suction Outlet Covers shall be listed to ANSI/ASME A112.19.8 standard.
2. Do not use a pump in an installation where there is only one fully submerged single suction outlet.
3. If main drains are installed in your pool, there must be a minimum of two for each pumping system, and each drain must include a Listed Suction Outlet Cover. Wading pools may have additional requirements to minimize entrapment hazards.
4. Skimmers may supply 100% of the required flow to the pump, and must be vented to atmosphere. A skimmer is not considered a second main drain.
5. When two suction outlets are used, the maximum system flow rate shall not exceed the rating of any one of the listed suction outlet covers installed. When more than two are used, the sum of the ratings shall be at least twice the maximum system flow rate.
6. Each Suction Outlet Cover shall be separated by a minimum of three feet (3'), measured from center of suction pipes.
7. Avoid installing check valves. If check valves must be used, ensure that the installation conforms to applicable standards.
8. Never use the pool or spa if a Suction Outlet Cover is damaged, cracked, missing, or not securely attached. Suction outlet cover must be attached with stainless steel screws supplied with the cover. If screws are lost, order replacement parts from your supplier.

NOTE: For the latest NSPI or IAP Standards, contact the Association of Pool and Spa Professionals (APSP) at www.threesp.org or (703) 838-0063, ext. 301. For the latest Consumer Product Safety Commission (CPSC) Guidelines, contact the CPSC at www.cpsc.gov or (301) 504-7923. "Guidelines for Entrapment Hazards: Making Pools and Spas Safer" can be viewed at www.cpsc.gov/cpsc/pub/pubs/0363.pdf



WARNING

closely supervised at all times.

To reduce risk of injury, do not permit children to use this product unless they are



WARNING

(For cord & plug connected units) Risk of Electric Shock. Connect only to a grounding type receptacle protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.



WARNING

(For cord & plug connected units) Do not bury cord. Locate cord to minimize abuse

from lawn mowers, hedge trimmers and other equipment.



WARNING

(For cord & plug connected units) To reduce the risk of electric shock, if the pump cord is damaged or appears to be damaged, replace it immediately with the same type of cord which is available from your local dealer. The new cord must be installed by a qualified electrician. Inspect the cord annually.



WARNING

(For hot tub and spa pumps) Do not install within an outer enclosure or beneath the skirt

of the hot tub or spa, unless so marked.



WARNING

(For cord & plug connected units) To reduce the risk of electric shock, do not use an extension cord to connect unit to electric supply; provide a properly located outlet.



WARNING

Locate the system at least five feet (1.5M) from the pool to prevent it being used as a means of access to the pool by young children. (See ANSI/NSPI-8 1996 "Model Barrier Code For Residential Swimming Pools, Spas and Hot Tubs").



WARNING

Your filter is a pressure vessel and should never be serviced while under pressure. Always shut off pump to relieve the pressure in the filter prior to servicing the unit.



WARNING

For Canada only: The motor of the filter pump for above-ground pools is equipped with a splash cover and a 25 foot three conductor cord ending with a three-pin grounding plug and must be connected only to a grounding type receptacle protected by a ground fault circuit interrupter (GFCI).



CAUTION

(For pumps with a 25 ft. (7.62m) cord). This pump is for use with storable pools only. Do not use with permanently installed pools. A storable pool is constructed so that it may be readily disassembled for storage and reassembled to its original integrity. A permanently installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage.



CAUTION

(For pumps with a 3 ft. (.91 m) cord). This pump is for use with permanently installed pools and may also be used with 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 may be readily disassembled for storage and reassembled to its original integrity.

Jacuzzi Laser 160 Manual

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