

AQUASWIM`N`SPA™

INSTALLATION &

OPERATION MANUAL

For information regarding the ICC permit please
go to our website www.rioswimspas.com and click on
the icc permit link. **ICC#ESR-2193**

ATTENTION INSTALLERS
AQUASWIM`N`SPAS™ must
be installed in accordance with this
installation and assembly instruction
manual. Failure to do so will result in
damage to the product and void the
warranty.



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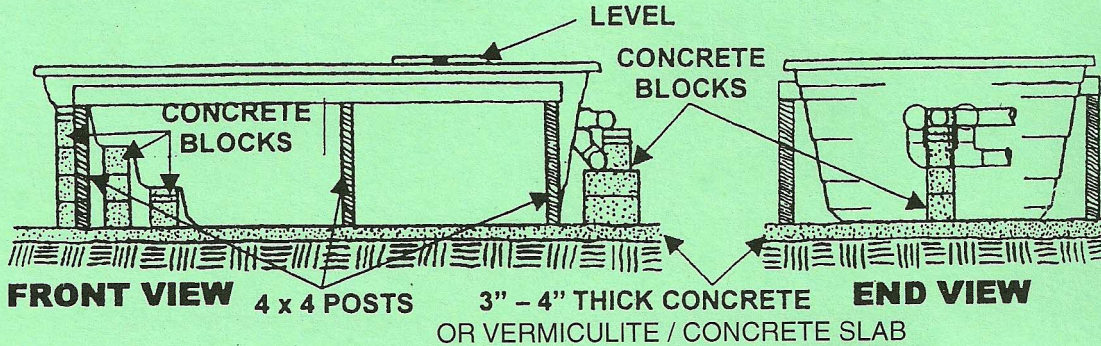
AQUASWIM'N'SPAS™ UNIT SUPPORT INSTRUCTIONS

(AQUASWIM'N'SPA™, in the context of this manual, refers to AQUASWIM'N'SPAS, AQUASPAS, and AQUAPHYSIO-THERAPYSPAS)

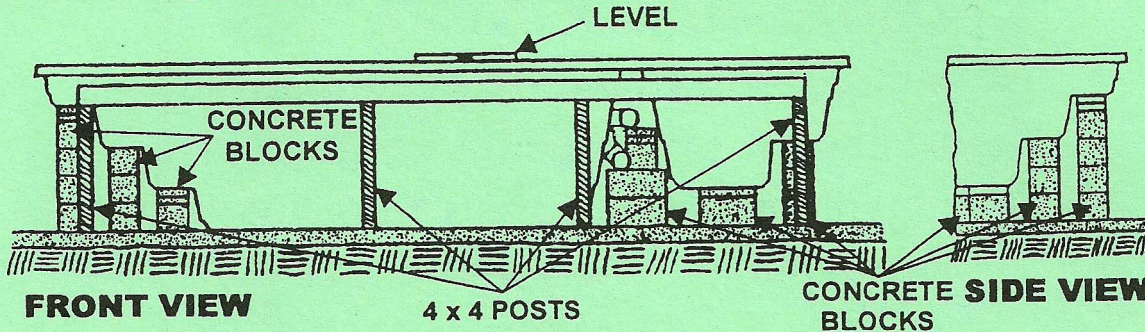
All models need to be installed on top of 3 to 4 inch concrete pad. **THE SIZE OF THE PAD FOR THE VARIOUS AQUASWIM'N'SPAS MODELS SHOULD BE 12" LONGER AND 12" WIDER THAN THE ACTUAL SIZE OF THE SPA.**

Examples of some spas are listed below:

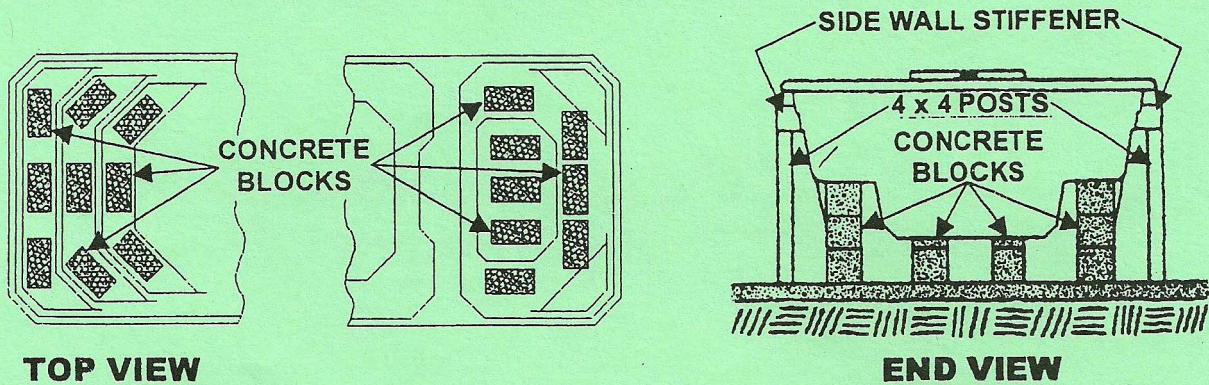
- | | |
|-----------------------------------|-------------------|
| APT 14 | -pad 15' x 8'6" |
| AS 14'6", AS/B 14'6", AS-RG-14'6" | -pad 15'6" x 8'6" |
| AS/S 16'6" | -pad 17'6" x 8'6" |
| APT 19', AS/S 19' | -pad 20' x 8'6" |



All AQUASWIM'N'SPAS™ must be supported with concrete blocks under all horizontal surfaces including swimjet manifold assemblies (as shown).



All AQUASWIM'N'SPAS™, whether installed above ground, inground, or partial inground must be supported from under the wall stiffener with 4" x 4"s along each side (as shown).



An alternative to the concrete block and post supports described above is the AquaFrame. This optional feature is built into the unit and eliminates both the concrete blocks and the posts. Contact Rio Plastics prior to ordering for model availability.

For inground installation backfill by washing sand into all spaces around the unit. Add water to both sections of the unit before washing sand. To prevent flotation during backfilling, water level in swimming and spa compartments must be higher than the sand during the backfilling operation. After the backfilling has been completed, the unit may be drained for cleaning or maintenance if the ground water table is lower than the bottom of the swimming compartment. Containment walls are not required.

NOTE: All lumber has to be treated, as required in the (UBC)-1997.

Pressure testing the plumbing system prior to completion of backfilling operation is recommended. To pressure test, run the unit for at least 2 hours on high speed. If no leaks are detected complete backfilling around the exposed plumbing.

All preplumbed **AQUASWIM‘N’SPAS™** are supplied with 25’ of air tubing per air button. Plug the air tubing in the back of the air button located on the **AQUASWIM‘N’SPAS™** console then plug the other end of the air tubing into the matching receptacle on the power pack. (See items #1 and 2 in Assembly Schematic drawing on page 6.)

Units with lights installed must have the light cord to the control box encased in conduit that is at least 10” above the water level of the spa.

MATERIALS

Your **AQUASWIM‘N’SPAS™** is manufactured of durable, reliable, thermoplastic; reinforced with tough, heavy-duty fiberglass. This thermoplastic has exceptional impact strength with superior resistance to the effects to sunlight, chemicals, and weathering. This same material is utilized in many other outdoor, maintenance-free products.

CARE

Your **AQUASWIM‘N’SPAS™** has an attractive, durable finish that stays virtually carefree. Most liquid shelf cleaners can be used to wipe scum, oil, and stains off the surface. Cleaners should be biodegradable, phosphate-free and neutral P.H.

DO NOT USE ABRASIVE PRODUCTS!

MAINTENANCE

Chemical maintenance is practically the same as for a pool or spa. Chlorine or Bromine can be used to sanitize the water. **CONSULT YOUR LOCAL POOL SERVICE COMPANY FOR PROPER MAINTENANCE PROCEDURES AND CHEMICAL TREATMENT IN YOUR AREA.** Chemical treatment alone will not produce sanitary water. The filtration system, in proper operational condition, is required to attain sparkling clear, polished, sanitary water. Free-chlorine level should be maintained between 1.0 and 1.5 PPM. PH level should be maintained at levels between 7.2 and 7.8. Low pH levels cause eye discomfort and corrosion of heater elements and metal parts. High pH levels cause cloudy water, scale formation, and eye discomfort.

AVOID EXTREME CHEMICAL IMBALANCES!

FILTER

Filter elements should be cleaned periodically, when using cartridge filters. For other filter maintenance, consult installer for proper cleaning procedures. Dirty filters will cause pump to work inefficiently under increased pressures; thus not cleaning water for polished, sparkling clarity. Empty skimmer and pump strainer baskets periodically.

AQUAPOWERPAK

Push-button air switches in the console cover control your equipment. Your **AQUASWIM'N'SPA™** Equipment Pak consists of a combination pump/filter/heater unit. It provides for the maintenance and therapeutic functions of your **AQUASWIM'N'SPA** model. Where applicable, the pak is equipped with a 4-HP Swimjet pump to supply enough water to swim against. The pump/filter combination functions as filtration unit for both the spa side and the poolside of your **AQUASWIM'N'SPA**. For more detailed information consult the manufacturer's instruction manual for your **AQUAPOWERPAK**.

POWER AND DUAL THERMOSTAT HEATER CONNECTIONS

**** SEE INSIDE HEATER BOX FOR INSTRUCTIONS****

SUGGESTIONS & WARNINGS

1. Do not stand in front of SwimJets when initiating jet-pump.
2. Directing the SwimJets up and down controls water flow (current).
3. Air may be introduced into jet flow by individual air controls at the console.
4. Always enter and exit the **AQUASWIM'N'SPA™** slowly and cautiously.
5. Unsupervised use by children is prohibited.
6. Do not use spa when you are alone.
7. Basic lifesaving equipment should be available for easy access at all times.
8. For commercial installations, consult manufacturer prior to purchase.
9. Do not empty the water from **AQUASWIM'N'SPA™** without consulting your installer
ground water pressure may cause the unit to float.
10. In climates subject to freeze consult your installer for proper winterizing procedures.

STANDARD DATA

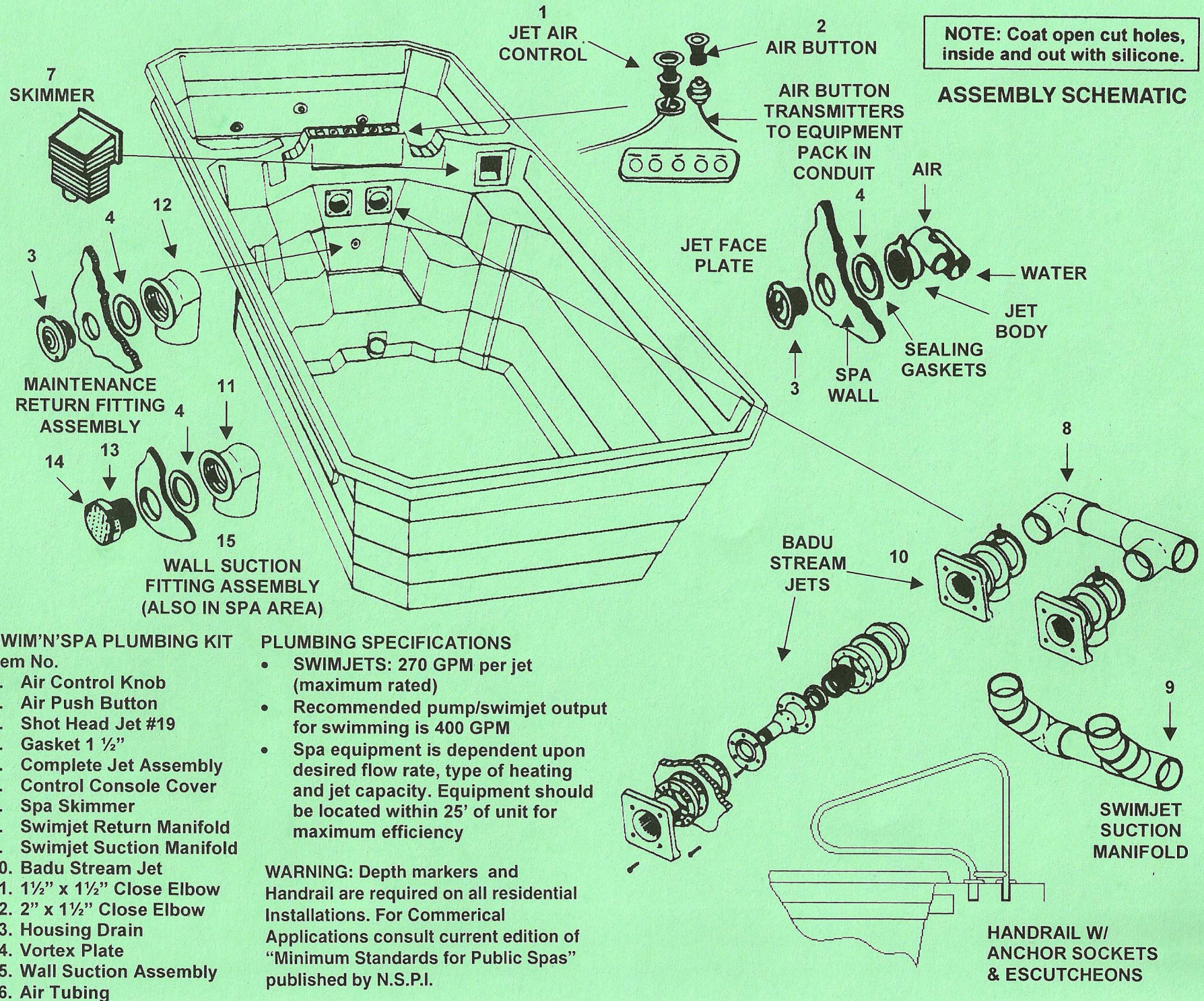
MODEL	WEIGHT	LENGTH	WIDTH	DEPTH	SWIMJET AREA	SPA AREA	SWIMJET GAL.	SPA GAL.	TOTAL GAL.
AS/S-19'	1,700 lbs.	19' 0"	7' 6"	5' 0"	93 sq. ft.	30 sq. ft.	2,050 *17,097 lbs	350 *2,919 lbs	2,400 *20,016 lbs
AS/S-16'6"	1,280 lbs.	16' 6"	7' 6"	4' 6"	76 sq. ft.	30 sq. ft.	1,450 *12,093 lbs	350 *2,919 lbs	1,800 *15,012 lbs
AS-14'6"	1,160 lbs.	14' 6"	7' 6"	4' 6"	93 sq. ft.		1,900 *15,846 lbs		1,900 *15,846 lbs
AS/B-14'6"	960 lbs.	14' 6"	7' 6"	4' 6"	93 sq. ft.		1,830 *15,262 lbs		1,830 *15,262 lbs
AS-RG-14'6"	1,080 lbs.	14' 6"	7' 6"	4' 6"		93 sq. ft.		1,500 *12,510 lbs	1,500 *12,510 lbs
AS-9'	500 lbs.	9' 0"	7' 6"	3' 9"		61 sq. ft.		900 *7,506 lbs	900 *7,506 lbs
AS-7'6"	425 lbs.	7' 6"	7' 6"	3' 9"		51 sq. ft.		750 *6,255 lbs	750 *6,255 lbs
APT-9'	600 lbs.	9' 0"	7' 6"	4' 6"		73 sq. ft.		1,000 *8,340 lbs	1,000 *8,340 lbs
APT-14'	900 lbs.	14' 0"	7' 6"	5' 0"	115 sq. ft.		2,100 *17,514 lbs		2,100 *17,514 lbs
APT-19'	1200 lbs.	19' 0"	7' 6"	5' 0"	155 sq. ft.		3,040 *25,354 lbs		3,040 *25,354 lbs

*One Gal. of Water Weighs 8.34 lbs.

NOTES:

NOTE: Coat open cut holes, inside and out with silicone.

ASSEMBLY SCHEMATIC



SWIM'N'SPA PLUMBING KIT

- Item No.
1. Air Control Knob
 2. Air Push Button
 3. Shot Head Jet #19
 4. Gasket 1 1/2"
 5. Complete Jet Assembly
 6. Control Console Cover
 7. Spa Skimmer
 8. Swimjet Return Manifold
 9. Swimjet Suction Manifold
 10. Badu Stream Jet
 11. 1 1/2" x 1 1/2" Close Elbow
 12. 2" x 1 1/2" Close Elbow
 13. Housing Drain
 14. Vortex Plate
 15. Wall Suction Assembly
 16. Air Tubing

PLUMBING SPECIFICATIONS

- SWIMJETS: 270 GPM per jet (maximum rated)
- Recommended pump/swimjet output for swimming is 400 GPM
- Spa equipment is dependent upon desired flow rate, type of heating and jet capacity. Equipment should be located within 25' of unit for maximum efficiency

WARNING: Depth markers and Handrail are required on all residential installations. For Commercial Applications consult current edition of "Minimum Standards for Public Spas" published by N.S.P.I.