

## Aqua-Fan

### IMPORTANT SAFETY INSTRUCTIONS READ AND FOLLOW ALL INSTRUCTIONS SAVE THESE INSTRUCTIONS

**Introduction:** As a result of years of research and fine engineering, BWG introduces the Aqua-Fan Jet, an exciting new sensation, into the hydro massage market. The patented jet derives its unique hydrotherapeutic massaging action through the use of an oscillating wedge which converts the incoming stream of air/water mixture into soothing, wave-like, pressure pulsations.

**Plumbing:** Water Line: 1.0" Pipe Glueable PVC  
Air Line: 1.0" Pipe Glueable PVC  
The Aqua-Fan Jet is to be located horizontally or vertically 4-18 inches below the water level on a flat wall 10" x 3". In relation to other standard jets, the Aqua-Fan Jet shall be installed in a dead head plumbing system with optional grouped or separate air/water combination.

**Pump Selection and Sizing:** For optimum jet performance, the system pump shall be selected as shown on Table 1.

**Table 1**  
**Number of Standard Jets vs. Number of Aqua-Fan Jets**

No. of Aqua-Fans	Number of Standard BWG Jets							
	Maxim Pumps			Ultra-Flow Pumps				
	3/4 HP	1.0 HP	1 1/2 HP	3/4 HP	1.0 HP	1 1/2 HP	2.0 HP	3.0 HP
One Aqua-Fan	2	3	5	4	6	7	8	9
Two Aqua-Fans	0	0	2	1	2	4	4	5
Three Aqua-Fans	N/A	N/A	N/A	N/A	N/A	1	1	2

**How To Read Table:**

1. Select pump to be used.
2. Select number of Aqua-Fan Jets to be installed.
3. Find number of standard jets to be installed at the intersection between the pump line (vertical) and the number of Aqua-Fan Jets line (horizontal).

**Notes:**

1. Operating data for optimum results are: 9.0 PSI at 22 GPM.
2. The above combination is based upon BWG's laboratory test results and computerized spa systems simulation.

## Installation:

- a. After locating a suitable flat area on the spa wall, use the provided template to drill 10 holes using a 1/4" size drill, then cut a rectangular hole (6 1/2" x 1 7/8").
- b. Apply silicone to seal between the jet body (Item No. 2) and the spa wall.

### NOTE:

Silicone sealant may not be required if gasket (Item No.10) is used. Install gasket to seal between the jet body and the spa wall.

- c. Insert the jet body through the rectangular cut, then secure in place by the 10 supplied nuts, using a 3/8" wrench. Torque nut to 30 in. lb. maximum. Nuts shall be installed in the direction as shown on the exploded view.

### ⚠ CAUTION

Improperly secured lock nuts can result in leaks in the spa wall which could result in property damage. Torque all lock nuts to the proper specifications called out in these instructions. Do not substitute alternate lock nuts or mounting hardware.

- d. Orient the tee (Item No.1) to the suitable plumbing direction, then attach to jet body using plastic pipe cement Weld-On No. 793 (ABS to PVC) or equivalent.

### ⚠ CAUTION

This is an ABS to PVC connection. Improper gluing or improper cement usage can cause leaks at the glued connection which can result in property damage.

- e. Using Weld-On No. 710 (PVC), or equivalent, secure the jet air/water inlet ports (as marked) to the spa plumbing system.

### ⚠ CAUTION

This is a PVC to PVC connection. Improper gluing or improper cement selection can cause leaks at glued connection, which can result in property damage.

### Parts List (See Figure No. 1)

Item No.	Part Number	Description	Qty.
1	46033900	Tee	1
2	980100	Body	1
3	46033000	Boot	1
4	46032000	Hinge	2
5	46031000	Flapper	1
6	980200	Cover	1
7	98211900	Screw 10-24	10
8	41475000	Nut 10-24	10
9	46035700	Gasket (opt.)	1
10		Deco Ring (opt.)	1
	46912500	Polished SS	
	46912600	Polished Brass	
	46912700	Antique Brass	
	98719600	Template	1

Figure 1

