



Aqua Sheer & Aqua Shower Installation

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STEP 1 INSPECT THE PACKAGE AND THE UNIT INSIDE FOR SHIPPING

STEP 2 INSPECT THE UNIT TO BE SURE THAT YOU HAVE THE PROPER NOZZLE LENGTH TO MATCH THE BEAM PREPARATION.

Beam Preparation

1" Nozzle unit.

Notch the front of the beam to a depth of 4".

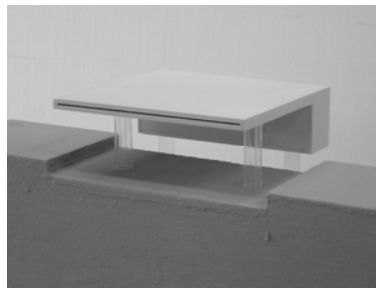
Add notch for pipe.



Set the unit into the front side of the beam.

9" or 12" Nozzle unit.

Notch the top of the beam to a depth of 1" all the way across. Finish the top of the beam to a smooth, flat surface.



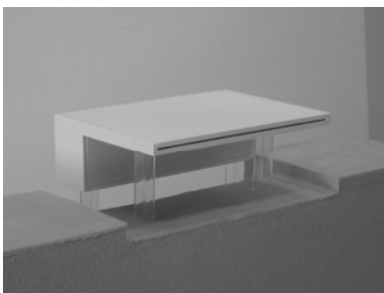
Set the nozzle over the top of the beam.

product.

4 : When setting the Aqua Sheer/Aqua Shower unit take into account the thickness of the finish to be applied to the beam and set the lip of the Nozzle approximately 3/8" beyond the finished surface. This will prevent the water sheer from being disturbed and broken by overhanging or overlapping materials whether it be tile, stone or grout.

6" or 9" Nozzle unit.

Notch the back of the beam to a depth of 4" and the remainder of the top of the beam to a depth of 1". Finish the top of the beam to a smooth, flat surface.



Set the unit into the back side of the beam.

Setting the Aqua Sheer or the Aqua Shower

1 : The surface upon which the Nozzle rests must be flat and consistent.

2 : Cut the Notch an inch wider on each side of the Nozzle. Later fill the gaps with a Silicone like product that will allow for expansion in hot environments and prevent Nozzle warping.

3 : Set the unit with thin set or other leveling

5 : Once the Aqua Sheer/Aqua Shower is set in the beam cover it with the shipping box and hold it in place with a piece of concrete, rebar or board until it is permanently covered by the deck or other finished surface.

Keep out of the direct sun.

Plumbing

1 : Connect a 2" Sch. 40 pvc pipe to the rear inlet of the unit using standard swimming pool PVC cement.

Plumbing continued

There is a 2" by 1 1/2" reducer bushing provided in each box that can be used to connect to 1 1/2" pipe if the total water flow demand is less than 60 GPM.

1-A : Turn the pipe downward as close to the back of the beam as possible to remove stress from the inlet fitting.

2 : Check the plumbing to verify that the suction side pipe and the return side pipe meet the size recommendations for the quantity and size of the Aqua Sheer & Aqua Shower units on your job. (See the Pipe Sizing Chart)

3 : Check the pump performance data to verify that it will supply the gpm required by the number and size of Aqua Sheer and Aqua Shower units plumbed to it. (See the Pump Sizing Chart).

manifold as shown.

2A : Make sure the manifold conforms to one of the approved examples provided in the photos.



Questions & Concerns

Now is the time to get HELP :

If you have any concerns about pipe sizing, pump sizing or any other installation related question, contact The Great American Waterfall Company.

Call : 1-888-683-0042

Fax : 1-877-683-3442

Estimated Pump Performance Data

Pump Horse Power	Service Factor	Pump Performance
.5 hp	1.5	26 gpm
.75 hp	1.0	26gpm
.75 hp	1.5	58 gpm
1.0 hp	1.0.	58 gpm
1.0 hp	1.5	68 gpm
1.5 hp	1.0	68 gpm
1.5 hp	1.5	93 gpm
2.0 hp	1.0	93 gpm
2.0 hp	1.5	108 gpm
3.0 hp	1.0	108 gpm
3.0 hp	1.5	140 gpm

Valves

1 : Plumb a ball valve or other two way valve between the pump and each Aqua Sheer or Aqua Shower unit.

2 : When connecting more than one Aqua Sheer or Aqua Shower to one pump make sure you build the appropriate

Plumbing valves to operate multiple Aqua Sheers with one pump.



Pipe Size in Inches

	1.5	2.0	2.5	3.0	4.0	6.0	8.0
Suction Flow	48	80	112	180	312	700	1248
Return-Flow	60	100	140	225	390	900	1560

Maximum Flow in Gallons per Minute

