



Aqua Sheer & Aqua Shower Installation

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STEP 1 INSPECT THE PACKAGE AND THE UNIT INSIDE FOR DAMAGES.

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

Wall Preparation

1" Nozzle unit.

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

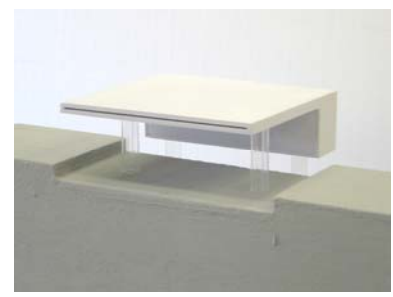
Add notch for pipe.



Set the unit into the front side of the wall.

9" or 12" Nozzle unit.

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



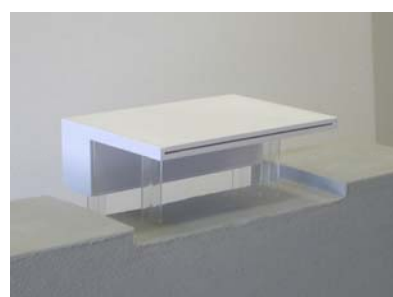
Set the nozzle over the top of the wall.

3 : Set the unit with thin set or other leveling product.

4 : When setting the unit take into account the thickness of the finish to be applied to the wall and try to 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 wall to a depth of 4" and the remainder of the top of the wall to a depth of 1". Finish the top of the wall to a smooth, level & flat surface.



Set the unit into the back side of the wall.

Setting the Aqua Sheer or the Aqua Shower

1 : The surface upon which the Nozzle rests must be even, consistent & level.

2 : The notch should be 1/4 inch wider on each side of the Nozzle. Later fill the gaps in with a Silicone like product that will not expand in hot environments and possibly warp the nozzle.

5 : Once the unit is set in the wall 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 it out of the direct sun.

***SEE MECHANICAL SOIL COMPACTOR INFORMATION ON BACK PAGE**

Plumbing

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

1-A : Turn the pipe downward as close to the back of the wall 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).

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

MECHANICAL SOIL COMPACTORS

Important Notice:

If a mechanical compactor is operated on soil over plumbing or products connected to plumbing nothing will prevent them from breaking.

Therefore the warranty is voided.

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 manifold as shown.

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

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