

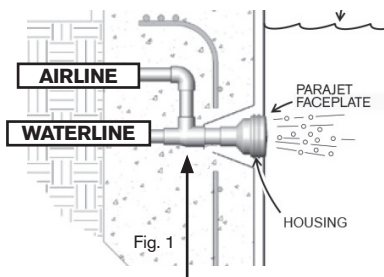


## Attention plumbers, excavators, and shotcrete/gunite crews

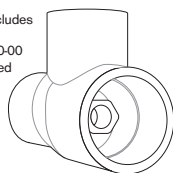
### DO NOT REMOVE PLASTER CAP UNTIL STARTUP

**Note: For maximum performance, follow these guidelines.**

1. Always build a hartford loop in your air line.
2. A blower may be required for maximum performance.
3. Use 1" pipe after the tee to the body regardless of the tee size.
4. 1" venturi tee #004-852-9600-00 delivers the best performance.
  - Parajets require a 3/8" orifice inside the venturi tee.
5. Parajets can be plumbed 4" minimum to a maximum of 12" from the spa interior to end of venturi tee. (fig. 1).
  - Performance of the jets decreases if distance is greater than 12" from spa finish.
  - Excessive flow above the maximum 20 gpm each will result in some of the jets not working properly.
6. Plumbing of the jet manifold must be looped.



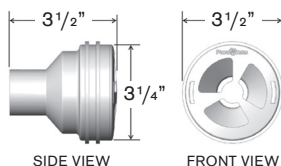
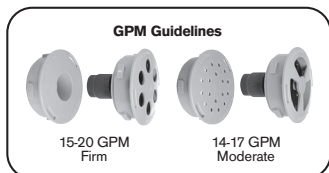
1" Venturi Tee includes 3/8" orifice #004-852-9600-00 Recommended



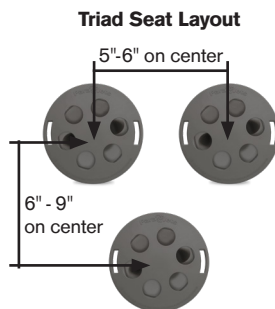
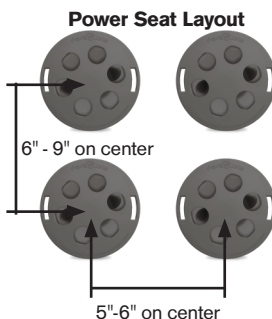
### Maximum flow rates for sch. 40 PVC pipe

Pipe size	1 1/2"	2"	2 1/2"	3"	Venturi tees with a 3/8" orifice @ 60' of HD
Suction: Nominal GPM @ 6fps	38	63	90	138	Require: 15-20 gpm ea. for firm
Return: Nominal GPM @ 8fps	51	84	119	184	Require: 14-17 gpm ea. for moderate

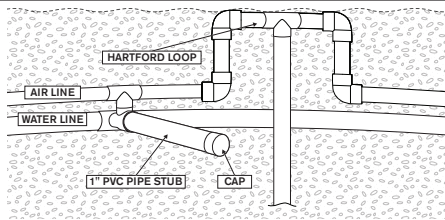
**Note: Plumbing scenarios that differ from above table should be carefully considered to ensure they are brought into compliance.**



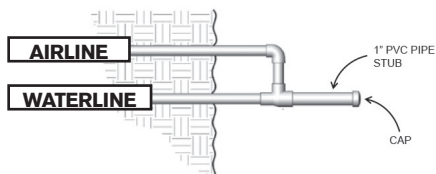
### Custom Seat Layouts



## 1. PLUMBING

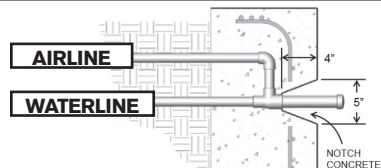


- Always build a hartford loop in your air line.



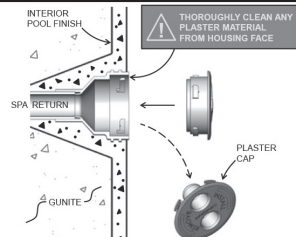
- Parajets can be plumbed 4" minimum to a maximum of 12" from the spa interior to end of venturi tee.
- Glue a 1" pipe into the venturi tee so it will be extended 3" to 4" past the finished wall and cap it for pressure testing.

## 3. GUNITE / SHOTCRETE



- Make sure the pipes are level. Cut back the concrete a minimum 4" deep and 5" around pipe from concrete finish.
- Clean off 4" of the 1" pipe from the finish wall for a gluing surface.

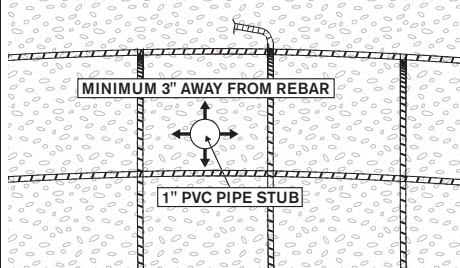
## 5. INTERIOR FINISH



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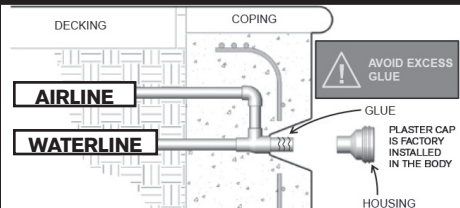
- Leave plaster cap locked in place until the very end of plaster install. It is okay for the housing to be recessed slightly and not flush.

## 2. STEEL



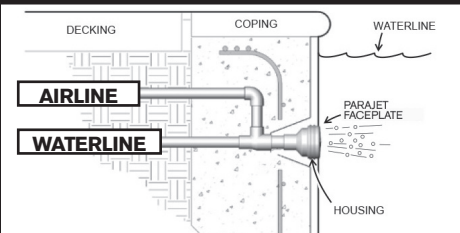
- The 1" pipe must be at least 3" away from rebars and not attached by any tie wires.

## 4. SET BODY



- Glue the body on the pipe flush with the anticipated interior finish. Make sure no excess glue settles in the throat of the body.
- Leave the plaster cap off until glue fumes have vented.
- Do not put plaster cap on until the glue has dried.**
- It is important the plaster cap is replaced back into the housing.

## 6. START UP



- Be sure to blow out the line before installing the face plate.
- Remove the plaster cap, blow out all lines before installing the face plates.
- Snap the jet onto the back of the face plate before installing into the body.
- Install face plate using the hand tool by twisting clockwise to lock into place.
- Turn on jet pump to verify operation.

