

Polaris FlowControl MiniJet Installation Instructions

The Polaris FlowControl MiniJet® can be mounted vertically in a pool wall slightly above water level, or horizontally in the pool deck, wall cap, planter, etc. Do not install the MiniJet in the pool wall if an automatic pool cover track is being used.

Plumbing Considerations

Flow and pressure control the projection of the water. As a rule, 4.4 GPM per nozzle will provide adequate water flow.

The pipe size requirement for the manifold or plumbing loop is determined by the number of MiniJets being installed. The manifold pipe should extend 2 ft. past the last MiniJet. Use 1/2" PVC pipe to connect the MiniJet(s) to the manifold.

Since flow is controlled at the jet, there are no restrictions on the length or configuration of the risers, and no valves are needed.

MiniJet Performance Data Chart				
Height of Spray	3.3'	6.6'	9.8'	13.1'
Feet of Head	3.9'	7.9'	11.9'	16.0'
GPM	2.1	3.0	3.7	4.4

MiniJet Pipe Sizing		
Max. MiniJets	Return Pipe Size	Suction Pipe Size
8	1-1/2"	1-1/2"
12	2"	2"
16	2-1/2"	2-1/2"
26	3"	3"

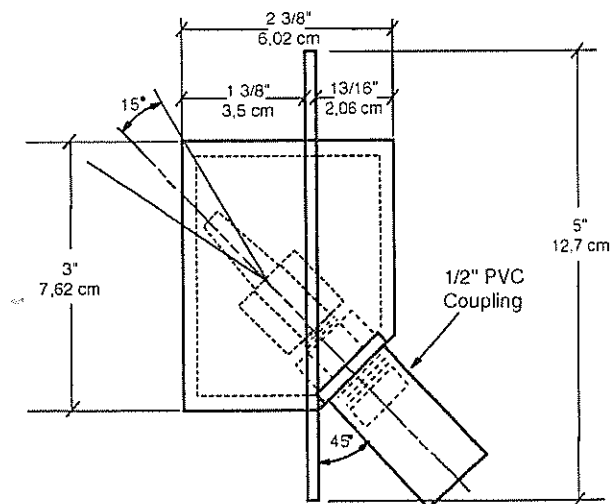
Installation

Installing in the Pool Wall

1. Determine the water level of the pool and position the jet to optimize performance.

If water covers the nozzle the projection will be affected. If mounted too high, the coping may interfere with jet performance.

2. Establish the vertical center line of each MiniJet and layout the center lines to coordinate with the tile pattern.
3. Cut or block out a 6" x 6" notch through the beam.



Side View

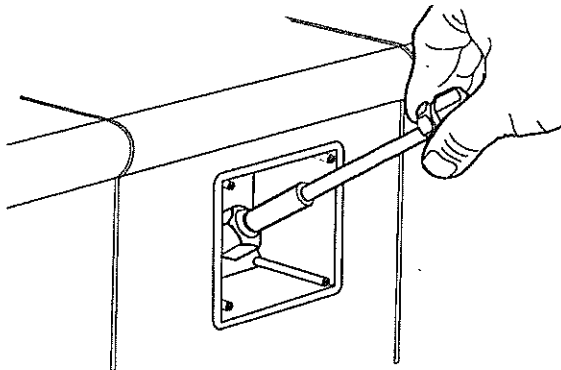
4. Attach the 1/2" feed pipe to the MiniJet. The pipe must extend past the back of the beam.
5. Mud the MiniJet in place. Check level, plumb and center lines during the setting process. If the flange on the MiniJet hinders the placement, cut it using a hacksaw or jigsaw. Leave at least 1/2" of flange to serve as a water stop.
6. Use the 3/8" plug provided to pressure test the MiniJet. This plug is also used for winterizing so do not discard.
7. Use the white cover plate for construction. Store the brass jet, the finish cover plate, and the four screws for pool start-up.

Installing Horizontally

1. Attach the 1/2" feed pipe to the MiniJet.
2. Level and anchor the MiniJet.
3. Use the 3/8" plug provided to pressure test the MiniJet. This plug is also used for winterizing so do not discard.
4. Use the white cover plate for construction. Store the brass jet, the finish cover plate, and the four screws for pool start-up.

Pool Start-up

1. Clean the pool water.
2. Remove the white construction face plate and the threaded plug from the jet. (Save plug for winterizing.) Run water through the MiniJet plumbing to clear the lines.
3. Screw brass jets into threaded fittings. Align jet and use adjustment tool to adjust the nozzle to the desired projection.



4. Install the finish cover plate.

Once the MiniJet is installed, the flow can be adjusted at any time without removing the face plate or turning off the water.

Winterizing

1. Drain all water from the MiniJet plumbing.
2. Screw the 3/8" plug into the nozzle inlet of the MiniJet to protect the unit.