

# Installation Instructions



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IMPORTANT INFORMATION



**EC DECLARATION OF CONFORMITY**

Manufacturer The Products are manufactured and marked with CE by:

Polaris Pool Systems, Inc. ("Polaris")  
2620 Commerce Way  
Vista, CA 92083-8438 USA  
Telephone: 760-599-9600  
Facsimile: 760-597-1239  
E-mail: polaris@polarispool.com

Products The Products Declared herein are:  
Polaris MiniJet™

Directives The Products are in conformity with the following Directives:  
Machinery Safety Directive 98/37/EC

Specifications The Products also comply with the following international and harmonized domestic standards:  
None. There are no known standards for swimming pool cleaning equipment.

Declaration

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all essential requirements of the directives. I declare under sole responsibility that the foregoing information is true and correct.

David Peterson

12-Sep-02

## Polaris MiniJet Installation

The Polaris MiniJet™ (FFMJ) is designed for mounting vertically in a pool wall slightly above water level, or horizontally in the pool deck, wall cap, planter, etc.

### Preparing for Installation

Determine the mean water level of the pool and the vertical center line of each MiniJet. If water covers the nozzle the performance will be affected. Mounting it too high may interfere with the coping.

Pressure testing is required. Screw the 3/8" plug provided into the nozzle inlet of the MiniJet housing. This plug is also used for winterizing so do not discard.

Store the brass jet, the MiniJet cover plate, the 3/8" plug and the four screws for pool start-up.

Prevent dirt and debris from entering the plumbing lines.

### Installing in a Concrete Beam

1. Layout the center lines of the MiniJet to coordinate with the tile pattern.
2. Cut or block out a 6" x 6" notch through the beam.
3. Attach the 1/2" feed pipe to the MiniJet. The pipe must extend past the back of the beam.
4. Mud the MiniJet in place. Check level, plumb and center lines during the setting process.
5. 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. (See Plumbing the MiniJet)

### Installing in a Deck

1. Attach the 1/2" feed pipe to the MiniJet.
2. Level and anchor the MiniJet. The MiniJet cover plate can be left on if installation is at finished deck level.

### Plumbing the MiniJet

Water flow and pressure control the projection of the water. As a rule, 4.4 GPM per nozzle will provide adequate water flow. Refer to data below.

	3.3'	6.6'	9.8'	13.1'
Height of Jet 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

1. Determine the size of the manifold or plumbing loop and return pipe required.

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"

2. Use 1/2" PVC pipe to connect the MiniJet to the manifold or plumbing loop. See plumbing

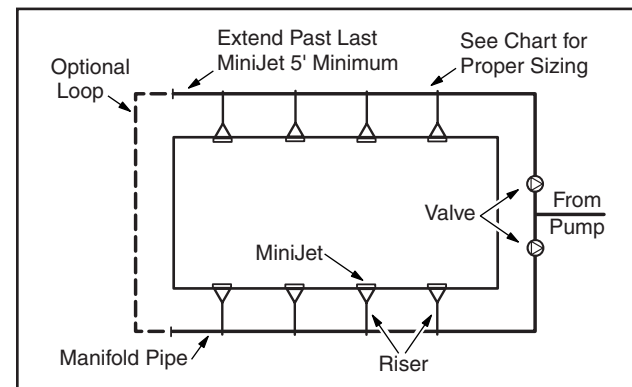


diagram below.

3. When the MiniJets are lined up to project water streams of equal distance, cut the risers to equal lengths. When the MiniJets are not set in lines parallel to the pool edge, valve them separately.
4. Keep the 1/2" feed pipe short, and the manifold or plumbing loop as close to the beam as possible. Avoid undue stress on plumbing lines.
5. The manifold pipe should extend 5 ft. past the last MiniJet.
6. Pressure test the MiniJet.

### Pool Start-up

1. Clean the pool water.
2. Remove the threaded 3/8" plug from the MiniJet housing. (Save plug for winterizing.) Run water through the MiniJet plumbing to clear the lines.
3. Screw brass jets into threaded fittings. Adjust nozzle alignment and plumbing valves until the desired projection is reached.
4. Install MiniJet cover plate.

### Winterizing

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

PVC Cover Plate  
 Couverture en PVC  
 PVC Abdeckplatte  
 Placa de cubierta PVC  
 Piastra di copertura in PVC  
 Placa de cobertura de PVC

