



# Pitotless Nozzle™

## INSTRUCTIONS

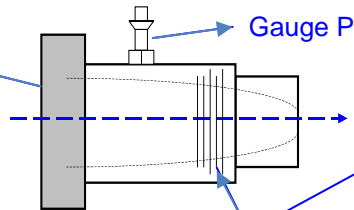
US Patent 6,874,375

### SETUP

The gauge connection on the Pitotless Nozzle is a factory-installed male end of a quick disconnect coupling. One female counterpart is included and additional ones can be purchased separately. Attach the female end of the quick disconnect coupling directly to the gauge or remote reader adapter and use the quick disconnect feature to attach and remove. Do not remove the male quick disconnect from the Pitotless Nozzle as it will damage the aluminum threads on the Pitotless Nozzle.

Use only the flow charts provided by Hydro Flow Products, Inc. for the appropriate size Pitotless Nozzle. We recommend a gauge with an accuracy rating of ½% or better and of a suitable range.

Female Swivel Coupling Inlet  
2 ½" NH (or your thread spec)



Gauge Port Quick disconnect

2 ½" NH male thread for  
connection to The Hose  
Monster

### Using the Pitotless Nozzle with the Little Hose Monster™

Insert the Pitotless Nozzle into the inlet. It snaps into place. Then connect the male end of a 2 ½" hose to the swivel coupling, hand tighten plus a quarter turn with a spanner wrench. See the Little Hose Monster instructions. See animation and more info at <http://HoseMonster.com/lhm.html>



### Using the Pitotless Nozzle with the 2 ½" Hose Monster® Model II

Insert the male outlet end of the Pitotless Nozzle through the swivel coupling of the Hose Monster. Hand-tighten plus about a quarter turn using a common rocker lug spanner wrench on the swivel coupling and a WSPA104 hole type spanner wrench for a holdback. Attach the male end of a hose into the swivel coupling on the Pitotless Nozzle, hand-tighten plus about a quarter turn using the spanner wrenches. The built-in pitot can remain in the Hose Monster and should be in the down-stream position. It acts as a flow splitter and helps diffuse the discharge water. Refer to the Hose Monster instructions for use of the Hose Monster.



WSPA104

### If using the Pitotless Nozzle WITHOUT the Hose Monster®

**WARNING: DO NOT attach the Pitotless Nozzle directly on the end of an unsecured hose.** The Pitotless Nozzle must be attached securely to a hydrant or other stationary device. The thrust created by high velocity water flow is dangerous to people and destructive to property.

Secure the female swivel coupling of the Pitotless Nozzle directly to a hydrant nozzle or test header valve. Hand-tighten plus about a quarter turn using a common rocker lug spanner wrench on the swivel coupling. The Pitotless Nozzle points in the direction the water will flow. That area must be clear as the force of the flowing water can be hazardous to people, landscaping and pavement.

**Clear water discharge path.**

### LIST OF "DO NOTS"

- **Do not** attach the Pitotless Nozzle to the end of a hose unless the Hose Monster is attached to it or unless it is permanently secured.
- **Do not** attach a hose to the male outlet end of the Pitotless Nozzle under any circumstance. The resulting backpressure will distort flow rate measurement.
- **Do not** remove the quick disconnect gauge port fitting. The aluminum threads will be damaged. Contact Hydro Flow Products directly for any repairs.

