



# 1 1/8" PITOTLESS NOZZLE™

## PN1.125GRV

### FLOW CHART

5 - 47 PSI			48 - 90 PSI		
PSI	Little Hose Monster™ LPM	Open Atmosphere LPM	PSI	Little Hose Monster™ LPM	Open Atmosphere LPM
5	315	313	48	976	970
6	345	343	49	986	980
7	373	371	50	996	990
8	398	396	51	1006	1000
9	422	420	52	1015	1010
10	445	443	53	1025	1020
11	467	464	54	1035	1029
12	488	485	55	1044	1039
13	508	505	56	1054	1048
14	527	524	57	1063	1057
15	545	542	58	1072	1067
16	563	560	59	1082	1076
17	581	577	60	1091	1085
18	597	594	61	1100	1094
19	614	610	62	1109	1103
20	630	626	63	1118	1112
21	645	642	64	1126	1120
22	660	657	65	1135	1129
23	675	672	66	1144	1138
24	690	686	67	1153	1146
25	704	700	68	1161	1155
26	718	714	69	1170	1163
27	732	728	70	1178	1172
28	745	741	71	1186	1180
29	758	754	72	1195	1188
30	771	767	73	1203	1197
31	784	780	74	1211	1205
32	796	792	75	1219	1213
33	809	804	76	1227	1221
34	821	817	77	1236	1229
35	833	829	78	1244	1237
36	845	840	79	1251	1245
37	856	852	80	1259	1253
38	868	863	81	1267	1260
39	879	875	82	1275	1268
40	891	886	83	1283	1276
41	902	897	84	1290	1284
42	913	908	85	1298	1291
43	923	918	86	1306	1299
44	934	929	87	1313	1306
45	945	939	88	1321	1314
46	955	950	89	1328	1321
47	965	960	90	1336	1329

The readings on this chart are based on which device the Pitotless Nozzle is connected to.

It is the user's responsibility to verify that the correct chart and column is being used.

- **Little Hose Monster™ (HML).** Use this column when the Pitotless Nozzle is connected to a Little Hose Monster.

- **Open Atmosphere.** Use this column when the Pitotless Nozzle is connected directly to a test header or hydrant flowing openly to atmosphere.

This device is FM Approved. The data included in this chart has been examined and confirmed for accuracy. Please call us or instruct the Authority Having Jurisdiction to call us if there are any questions. Additional copies of flow charts are available at: [www.hosemonster.com](http://www.hosemonster.com)





# Pitotless Nozzle™ Grooved

## INSTRUCTIONS

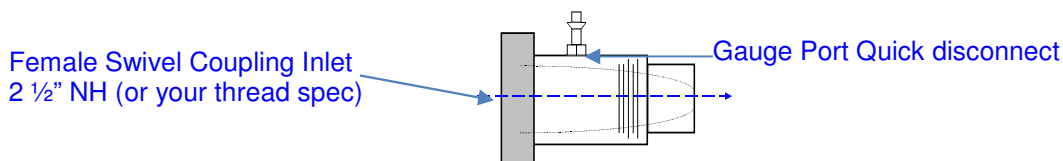
US Patent 6,874,375

The Pitotless Nozzle Grooved (PN#GRV) must be used with the Little Hose Monster (HML) **or** attached directly to a hydrant or test header valve discharging into open atmosphere. The flow chart has columns entitled Little Hose Monster™ and Open Atmosphere. Be sure to use the appropriate column to determine flow rates. *Call us if you are considering a configuration not listed here.*

### 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 threads on the Pitotless Nozzle.

We recommend a gauge with an accuracy rating of ½% or better and of a suitable range.



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

Line up the Pitotless Nozzle outlet at the inlet of the Little Hose Monster with the gauge port rotated to 45° off either side of vertical. Push the Nozzle all the way in until the latch lever arms hook into the groove. Rotate the Nozzle right or left until the latch levers snap parallel to the body and the gauge port is in the desired position. The gauge port can be positioned so that a gauge can be viewed in a vertical position, or horizontal to the left or right side of the Little Hose Monster. Insert the locking pins all the way through the pinhole and latch-lever arm. When the Pitotless Nozzle is installed, securely attach a hose using a spanner wrench. Make sure the hose lays flat and is not twisted.

### If using the Pitotless Nozzle on a Hydrant or Test Header Valve

The Pitotless Nozzle must be attached securely to a pump test header valve or hydrant. Secure the female swivel coupling of the Pitotless Nozzle directly to a hydrant nozzle or test header valve. The Pitotless Nozzle points in the direction the water will flow. Clear water discharge path.

### Flow Charts

Pitotless Nozzle flow charts must be used to determine discharge flow rate. The use of flow charts of a different device or size will result in incorrect readings. Within the flow chart is a column for "Little Hose Monster" and for "Open Atmosphere". Use the "Little Hose Monster" flows if the Pitotless Nozzle is attached to a Little Hose Monster. Use the "Open Atmosphere" flows if the Pitotless Nozzle is attached directly on a hydrant or test header valve discharging out into the open. Flow charts are provided with the Pitotless Nozzle and additional copies are available on our website at [www.HoseMonster.com](http://www.HoseMonster.com)

### WARNING:

- **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 The Hose Monster Company directly for any repairs.



**MANUFACTURED BY:**  
The Hose Monster Company  
(888) 202-9987 Toll Free  
(847) 434-0073 Fax  
Service@FlowTest.com  
[www.HoseMonster.com](http://www.HoseMonster.com)