



1 1/8" PITOTLESS NOZZLE™

PN1.125THD FLOW CHART

PSI	2 1/2" Hose Monster Model II		PSI	2 1/2" Hose Monster Model II	
	GPM	Open Atmosphere		GPM	Open Atmosphere
5	84	83	43	245	243
6	92	91	44	248	245
7	99	98	45	251	248
8	106	105	46	254	251
9	112	111	47	256	254
10	118	117	48	259	256
11	124	123	49	262	259
12	130	128	50	264	262
13	135	133	51	267	264
14	140	138	52	270	267
15	145	143	53	272	269
16	150	148	54	275	272
17	154	153	55	277	274
18	159	157	56	280	277
19	163	161	57	282	279
20	167	165	58	285	282
21	171	170	59	287	284
22	175	174	60	290	287
23	179	177	61	292	289
24	183	181	62	294	291
25	187	185	63	297	294
26	191	189	64	299	296
27	194	192	65	302	298
28	198	196	66	304	301
29	201	199	67	306	303
30	205	203	68	308	305
31	208	206	69	311	307
32	212	209	70	313	310
33	215	213	71	315	312
34	218	216	72	317	314
35	221	219	73	320	316
36	224	222	74	322	318
37	227	225	75	324	320
38	231	228	76	326	323
39	234	231	77	328	325
40	237	234	78	330	327
41	239	237	79	332	329
42	242	240	80	335	331


This device is FM Approved

The pressure vs. flow rate data developed within this flow chart is based on the average K-factor measured during laboratory testing. This data has been determined to be within the acceptable limitations for accuracy.


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

- **2 1/2" Hose Monster Model II or Flusher with flow splitter (HM2H, HM2HF).** Use this column if the Pitotless Nozzle is connected to the 2 1/2" Hose Monster or Flusher. The built-in pitot or flow splitter must be installed for accuracy.
- **Open Atmosphere.** Use this column when the Pitotless Nozzle is connected directly to a test header or hydrant flowing openly to atmosphere.

Additional copies of flow charts are available at:
www.hosemonster.com



The Pitotless Nozzle™
1 1/8"
PN1.125
US Patent 6,374,375
Hydro Flow Products, Inc.
888-202-9987 • www.HoseMonster.com
FM Approved Operating Range 10 - 80 PSI
SN 11-00000


APPROVED

FC-PN1125THD.2018.09.21.MA



Pitotless Nozzle™ Threaded

INSTRUCTIONS

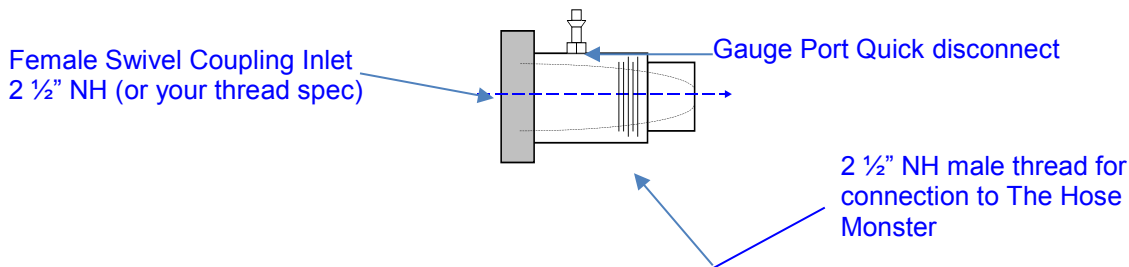
US Patent 6,874,375

The Pitotless Nozzle Threaded (PN#THD) must be used with the 2 ½" Hose Monster Model II (HM2H, HM2HF) or attached directly to a hydrant or test header valve discharging into open atmosphere. *Note: If you intend to use the Pitotless Nozzle with the Little Hose Monster (HML), then a Pitotless Nozzle Grooved (PN#GRV) is required. Do not use the Pitotless Nozzle Threaded (PN#THD) with the Little Hose Monster. 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 2 ½" Hose Monster® or Flusher

Insert the male outlet end of the Pitotless Nozzle into 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 hole type spanner wrench (WSPA104) 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 spanner wrenches. The pitot/flow splitter must be installed on either unit in order to collect accurate flow rates. Make sure the hose lays flat and is not twisted.

If using the Pitotless Nozzle without the Hose Monster

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 "2 ½" Hose Monster Model II" and for "Open Atmosphere". Use the "2 ½" Hose Monster Model II" flows if the Pitotless Nozzle is attached to a 2 ½" Hose Monster Model II. 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

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.



HOSE MONSTER
COMPANY™

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