FM APPROVED

FC-PN1125THD.2018.09.21.MA

1 ⅛" PITOTLESS NOZZLE™

PN1.125THD- GPM FLOW CHART

	HM2H	OA
PSI	GPM	GPM
5	84	83
6	92	91
7	99	98
8	106	105
9	112	111
10	118	117
11	124	123
12	130	128
13	135	133
14	140	138
15	145	143
16	150	148
17	154	153
18	159	157
19	163	161
20	167	165
21	171	170
22	175	174
23	179	177
24	183	181
25	187	185
26	191	189
27	194	192
28	198	196
29	201	199
30	205	203
31	208	206
32	212	209

	HM2H	OA
PSI	GPM	GPM
33	215	213
34	218	216
35	221	219
36	224	222
37	227	225
38	231	228
39	234	231
40	237	234
41	239	237
42	242	240
43	245	243
44	248	245
45	251	248
46	254	251
47	256	254
48	259	256
49	262	259
50	264	262
51	267	264
52	270	267
53	272	269
54	275	272
55	277	274
56	280	277
57	282	279
58	285	282
59	287	284
60	290	287

	HM2H	OA
PSI	GPM	GPM
61	292	289
62	294	291
63	297	294
64	299	296
65	302	298
66	304	301
67	306	303
68	308	305
69	311	307
70	313	310
71	315	312
72	317	314
73	320	316
74	322	318
75	324	320
76	326	323
77	328	325
78	330	327
79	332	329
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.

HM2H | 2 ½" Hose Monster Model II or Flusher with flow splitter (HM2H, HM2HF) Use this column if the Pitotless Nozzle is connected to the 2 ½" Hose Monster or Flusher. The built-in pitot or flow splitter must be installed for accuracy.

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

Find this flow chart and other resources at:
hosemonster.com/resources

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PITOTLESS NOZZLE™

THREADED INSTRUCTIONS

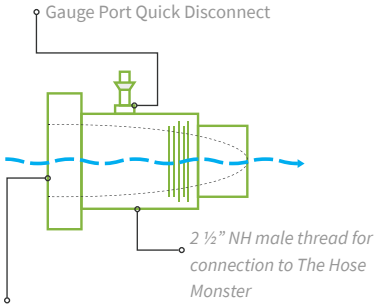
The Pitotless Nozzle™ Threaded (PN#THD) must be used in conjunction with the 2 ½" Hose Monster Model II (HM2H, HM2HF) or attached directly to a hydrant or test header valve discharging into open atmosphere.

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.

PITOTLESS NOZZLE™ 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.



PITOTLESS NOZZLE™ USE

WITH 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.

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.

WARNING

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

	LHM	OA
PSI	GPM	GPM
10	533	282
11	559	295
12	584	308
13	608	321
14	631	333
15	653	345
16	675	356
17	695	367
18	716	378
19	735	388
20	754	398
21	773	408
22	791	418
23	809	427

	LHM	OA
PSI	GPM	GPM
41	1080	570
42	1093	577
43	1106	584
44	1119	591
45	1131	597
46	1144	604
47	1156	610
48	1169	617
49	1181	623
50	1193	630
51	1205	636
52	1216	642
53	1228	648
54	1239	654

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*

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