



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 are being used.

HML | Little Hose Monster™ Use this column when the Pitotless Nozzle is connected to a Little Hose Monster.

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

GET THE MOST OUT OF YOUR HOSE MONSTER™ HARDWARE

FIRE PUMP TESTING SOFTWARE

Professional-grade software that helps you work better! Keep your reports clean, your results accurate, and your process streamlined with Hose Monster's FPT Software.

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	HML	OA		HML	OA		HML	OA
PSI	GPM	GPM	PSI	GPM	GPM	PSI	GPM	GPM
5	83	83	33	214	213	61	291	289
6	91	91	34	217	216	62	293	291
7	98	98	35	220	219	63	295	294
8	105	105	36	223	222	64	298	296
9	112	111	37	226	225	65	300	298
10	118	117	38	229	228	66	302	301
11	123	123	39	232	231	67	304	303
12	129	128	40	235	234	68	307	305
13	134	133	41	238	237	69	309	307
14	139	138	42	241	240	70	311	310
15	144	143	43	244	243	71	313	312
16	149	148	44	247	245	72	316	314
17	153	153	45	250	248	73	318	316
18	158	157	46	252	251	74	320	318
19	162	161	47	255	254	75	322	320
20	166	165	48	258	256	76	324	323
21	170	170	49	260	259	77	326	325
22	174	174	50	263	262	78	329	327
23	178	177	51	266	264	79	331	329
24	182	181	52	268	267	80	333	331
25	186	185	53	271	269			
26	190	189	54	273	272			
27	193	192	55	276	274			
28	197	196	56	278	277			
29	200	199	57	281	279			
30	204	203	58	283	282			
31	207	206	59	286	284			
32	210	209	60	288	287			

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PITOTLESS NOZZLE™

GROOVED INSTRUCTIONS

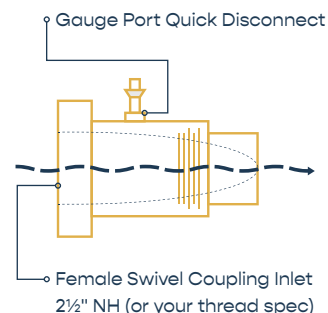
The Pitotless Nozzle™ Grooved (PN#GRV) must be used in conjunction with the Little Hose Monster™ (HML) or attached directly to a hydrant or test header valve, discharging into open atmosphere.

The flow chart has two columns entitled Little Hose Monster™ and Open Atmosphere. Be sure to use the appropriate column to determine flow rates. Contact Hose Monster™ 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 0.5% 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 horizontally 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 lies 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	PSI	GPM	GPM
10	533	282	41	1080	570
11	559	295	42	1093	577
12	584	308	43	1106	584
13	608	321	44	1119	591
14	631	333	45	1131	597
15	653	345	46	1144	604
16	675	356	47	1156	610
17	695	367	48	1169	617
18	716	378	49	1181	623
19	735	388	50	1193	630
20	754	398	51	1205	636
21	773	408	52	1216	642
22	791	418	53	1228	648
23	809	427	54	1239	654
24	826	436	55	1251	660
25	843	445	56	1262	666

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 one 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



Find this as well as other product guides at www.hosemonster.com/resources