Phone: 888-202-9987
Fax: 847-434-0073
Email: service@flowtest.com
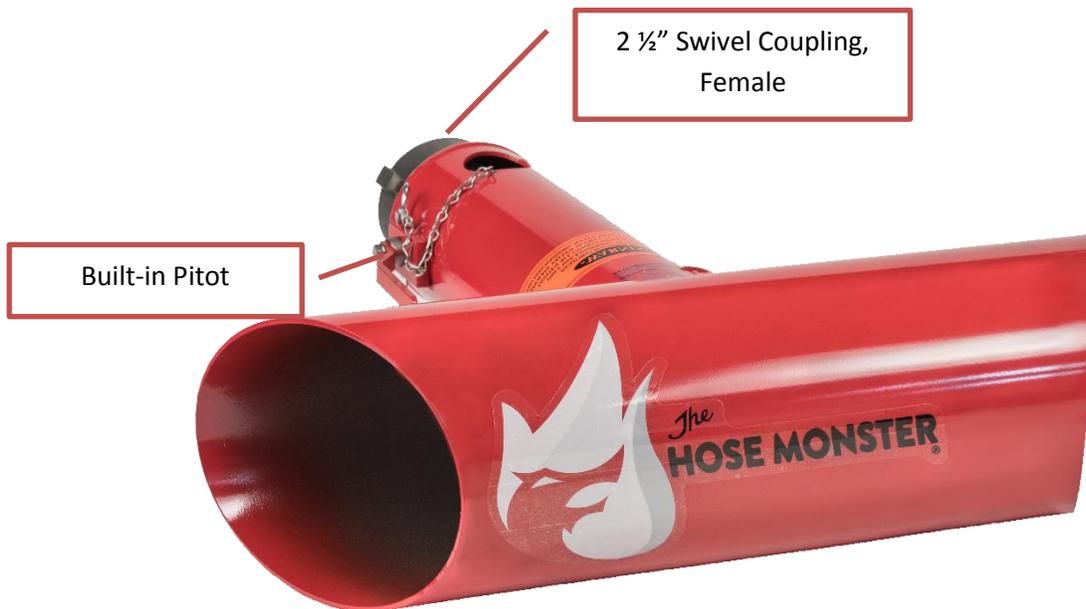www.hosemonster.com

2 ½" HOSE MONSTER®
USER GUIDE

Item #: HM2H

OVERVIEW

The 2 ½" Hose Monster® is used for fire pump flow testing, fire hydrant flow testing, and main flushing. The unit should be used with a 2 ½" diameter fire hose attached directly to a valve or test header.

COMPONENTS

2 ½" Swivel Coupling, Female

Built-in Pitot

ACCESSORIES

- A Gauge is required and is sold separately. The ideal gauge would be a 0-60 psi, liquid filled, and have an accuracy rating within 1%. A 0-100 psi may also be suitable for higher flows. Gauges should be calibrated within the past 12 months, and Calibration service is offered by Hydro Flow on used gauges. (Item#: GK60D4)
- FM Nozzle Inserts (sold separately) by Hydro Flow Products measure flow-rates below 533 GPM. The operating range of the 1 ¾" Nozzle Insert is 282 to 771 GPM. The operating range of the 1 1/8" Insert is 118 to 324 GPM. (Item#: HMNI1.75, HMNI1.125)
- The Pitotless Nozzle Threaded by Hydro Flow may be used to measure flow-rates instead of the built-in pitot and Nozzle Inserts. The Nozzles are threaded into the coupling of the Hose Monster. (Item#: PN#THD)
- Stackers enable the 2 ½" Steel Hose Monsters to be stacked on top of each other up to three units high when flowing multiple hoses. (Item#: STA)

Before Water Flow

1) Secure the female hose coupling to the 2 ½" outlet of a hydrant valve or test header valve.
2) Secure the 2 ½" male hose coupling to the female coupling of The Hose Monster.
3) If pitot readings are to be taken, install the gauge or Remote Reader into the ¼" NPT pitot outlet on the Hose Monster.
4) Use a spanner wrench to secure all hose connections. Check and tighten hose connections.
5) Check water discharge path and place The Hose Monster in a location with sufficient drainage that allows safe water discharge.
6) Remove the pitot locking pin and turn the pitot handle away from the hose coupling (pitot inlet downstream). Replace pitot locking pin.

Start Water Flow Slowly

7) Slowly open the valve to start the water flow. Remove any kinks that may appear in the hose.
8) After water is flowing and debris is flushed from the water system, remove the pitot locking pin. Rotate the pitot handle toward the hose inlet (pitot inlet upstream), and replace the pitot locking pin. Place your hand over the air inlet hole to avoid getting splashed when turning pitot.
9) Adjust the water control valve slowly to fully open or to obtain the desired flow rate.
10) Vent the air from the pressure gauge. Take pressure readings.

When Test is Complete

11) Slowly close the water control valve. Rapid closing of a valve under flow can create a water hammer and cause damage to the water main.

MAINTENANCE

- Pitots may become damaged as a result of rocks and debris hitting it while flowing. This can be minimized by positioning the pitot downstream for the first minute of flow to get rid of debris. Hydro Flow Products offers a pitot repair service (Item#: HMPR) and replacement pitots (Item#: HMP).
- Hydro Flow Products refurbishes used Hose Monsters (Item#: HM2HR). The unit receives a rebuilt pitot, recoating, new swivel coupling, new locking pin/chain, new decal and labels, new instructions and a laminated flow chart.
- Wipe down the product with a damp rag after each use to remove dirt and debris. To reduce corrosion on brass, aluminum, or steel fittings apply WD-40 or Gibbs Brand Lubricant, then wipe with a rag.
- Replace damaged or worn gaskets.

⚠️ **SAFETY AND HANDLING**

ALL CONNECTIONS IN THIS ASSEMBLY MUST BE ATTACHED SECURELY. THE UNIT SHOULD BE USED WITH A HOSE AND NOT ATTACHED DIRECTLY TO A FIRE HYDRANT.   DIRECT WATER DISCHARGE AWAY FROM ANY PEOPLE OR PROPERTY THAT MAY BE AFFECTED. THE USE OF THIS PRODUCT INVOLVES HEAVY WATER FLOW WHICH CAN RESULT IN SERIOUS INJURY OR DEATH IF USED IMPROPERLY. THE MANUFACTURER AND ITS DISTRIBUTORS ARE NOT RESPONSIBLE FOR ANY DAMAGE OR INJURY CAUSED BY THE USE OF THIS PRODUCT. PRODUCTS THAT HAVE BEEN ALTERED OR MODIFIED IN ANY WAY POSE A SAFETY RISK AND WILL VOID THE MANUFACTURER'S WARRANTY.

◇ FM APPROVED