



## LAUB\HUNT ROTARY MAG-FLOW FILLER

Laub\Hunt Mag-Flow Filling uses an Electromagnetic flow meter to sense the flow rate of the liquid. There are three types of meters: Paddle-wheel which engages the product and rotates an encoder to send pulse signals; thermal which engages the product and monitors differential temperatures between standing and moving product; and electromagnetic flow meter which does not engage the

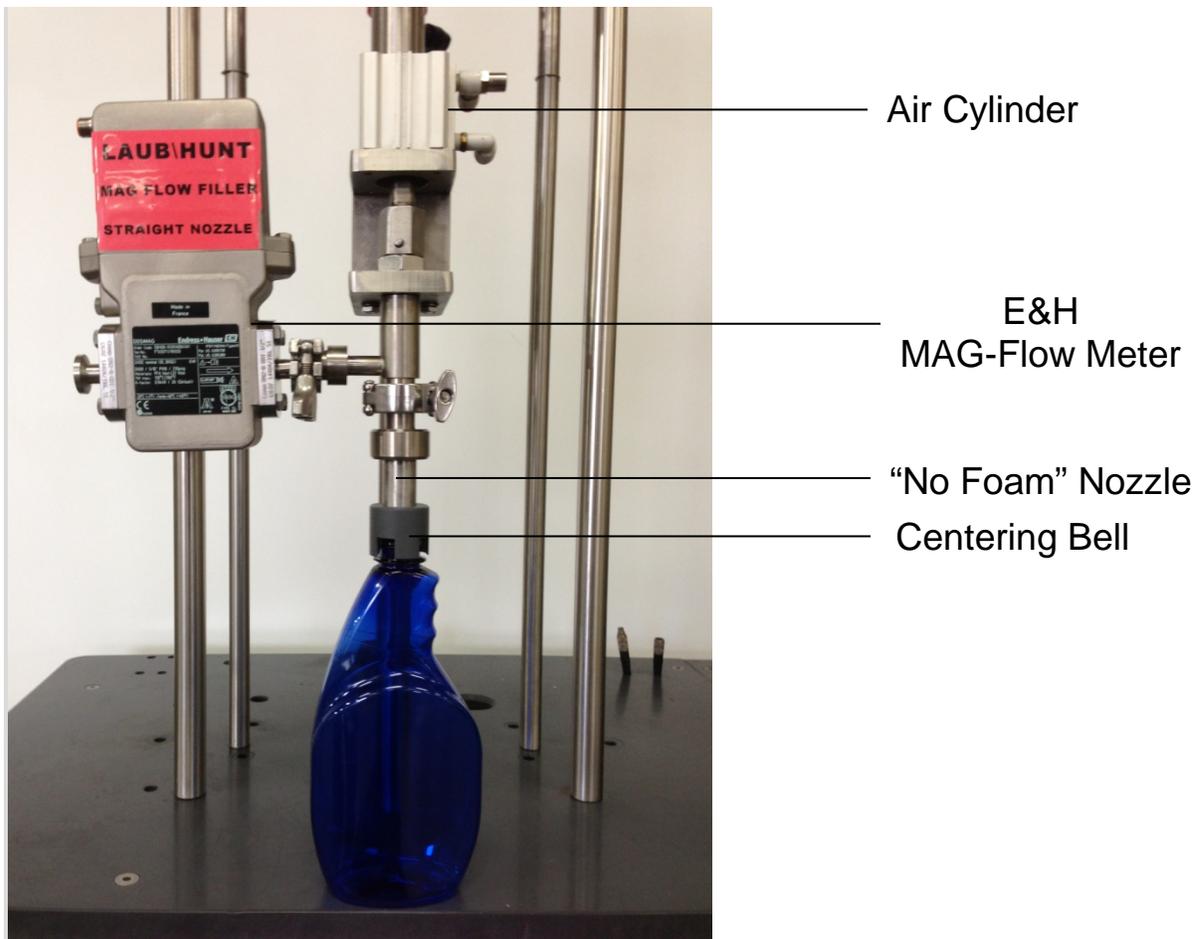


product but measures the volume flow rate of electrically conductive fluids. The measuring sensor consists of a lined pipe, an electromagnetic coil, and corrosion-resistant electrodes. When the conductive liquid, or product slurry, passes through the magnetic field (produced by the magmeter electronics), it generates a voltage proportional to the average velocity of the material, in another word, the voltage induced by the flowing fluid is proportional to the flow rate. The measuring electrodes detect the voltage signal which is sent to an amplifier where it is digitized and communicated to the transmitter. The transmitter processes the signals, outputs current and pulse signals which are used to determine a pre-set fill volume. Liquid media can be accurately measured with conductivities of  $1\mu\text{S}/\text{cm}$  and above on Laub\Hunt Mag-Flow fillers. Fill accuracy is **+/- 1/2 of 1 percent or better**.

### Advantages of Laub\Hunt Magnetic Flowmeter Filling System:

- A. **Accuracy**. Better than traditional piston or net-weight fillers.
- B. **Wide Product Range**. From water thin, to foamy to very viscous, water, cleaners, detergents, paints, shampoo, oils, juices, mayonnaise and peanut butters.
- C. **Unlimited Volumes** of fill from ounces to 5 gallons.

- D. **Sanitary Meters** with 3A flanges and Teflon product contact can be incorporated. CIP flush-out takes minutes, not hours required on piston fillers.
- E. **Filling Speeds** from 20 per minute on 5 gallons, to 100 per minute on one gallon, to 400 per minute on one quart --- depending on nozzle size and number of filling stations.
- F. **User-friendly Operation** with a built-in processor that detects changes in product viscosity, allowing the operator to set or adjust fill volume, fill speed on all stations, or individually, on the fly from the operator control panel.
- G. **Reliability** is designed and manufactured into this system by a company who has a proven track record for engineering quality and long lasting filling systems since 1950.



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