



# Net/Mass

## FULLY AUTOMATIC LIQUID FILLING SYSTEMS

### Improve Your Filling Line Productivity with a NET/MASS® System

- Increase your uptime.
- Fill free flowing to very viscous products that change in viscosity or density over the filling run, or from batch to batch, and products that must be labeled by weight content or internally tracked and accounted for by weight.
- Fill wide range of container shapes in weights from 30 grams to 42 pounds (5 gallons).

### Buy an Oden Liquid Filler "Risk Free"

For added value Oden takes the 'risk' out of buying a liquid filler. You will receive written performance guarantees for each product submitted for free product testing.

Guarantees incorporate speed, accuracy and no-drip machine performance.

Send us your products and containers and take advantage of this free service. Call today to make arrangements.

Phone: 800-658-3622

Phone: 716-874-3000

Email: sales@odenmachinery.com



### STANDARD FEATURES:

- Coriolis mass flow meters in sizes from 1/8" to 3" providing flow rates of 3.4 lbs./minute (0.4GPM) to 500 lbs./minute (60 GPM). Coriolis mass meter fluid contact parts available in Titanium. 904L stainless steel and Hastelloy C.
- Fluid flow pathway (motive force) architectures to Coriolis mass meters include gravity (Oden Grav/Tronic®), pressure (Oden Digibar), and servo-driven rotary pumps (Oden Pro/Fill® 1000, 3000, 6000) based on system flow rate requirements, product characteristics, and application requirements.
- Statistical process control (SPC) data including mass dose, mass flow rate, standard volumetric flow, density, and temperature. Every fill weight can be recorded and retained. Extensive custom SPC software capability is available.
- Operator interface housed in sealed NEMA 4 stainless steel enclosure. Programmable Logic Controllers available in your choice of several major manufacturers, including Allen Bradley.
- Operator interface available in your choice of 4 line x 20 back lit LCD display, 7.5" color VGA touch screen or PC based industrial work station with 15" active matrix touch screen display.
- Easy operator interface access to every filler control function including fill weight, flow rate, and cut-off adjustment (COA) for electronic control of no-drip fill cut-off.
- Indexing system includes permanent reference scales for easy and repeatable set-up.
- Non-volatile memory storage of all machine set-up data with one-key "recipe" loading.
- Machine base frame is fabricated from sanitary welded 2" x 2" square 304 stainless steel tube. It supports the stainless steel NEMA 4 pump drive/mass meter/PLC enclosure, the diving nozzle system, conveyor, indexing hardware and system operator interface. The machine base frame is mounted on casters for movement and stainless steel leveling feet for final placement.
- Bottom-up filling system features no-tool set-up, 14" adjustable dive distance and nozzle kickout safety system. Permanently attached reference scales for easy, repeatable set-up.
- Sanitary (sealed, solid top, 1-1/2" raised chain bed) stainless steel conveyor 10' long with 4-1/2" Delrin chain and variable speed DC motor drive. Includes four stainless steel guiderails with no-tool adjustment stainless steel hardware.
- Automatic fill weight computation. Enter trial fill weight and target, the PLC does the computations.



# Net/Mass

FULLY AUTOMATIC LIQUID FILLING SYSTEMS

**Increase your  
filling line  
productivity –  
call us today!**

**We want to work with you  
to increase your filling line  
productivity.**

Our innovations in liquid filling and blending technologies will help:

- Increase your uptime.
- Reduce labor costs.
- Prepare for future needs.



## **AIR AND ELECTRICAL REQUIREMENTS:**

Air Requirements: 80 PSI @ 3 SCFM

Electrical Requirements: 115–120 VAC 50–60 Hz.

## **OPTIONAL FEATURES:**

- Wide range of network/statistical process control (SPC) software and hardware. All parameters of meter can be accessed and manipulated via higher order control and computer systems.
- Extensive custom automation functions and controls for solutions to unique liquid filling problems.
- High speed parallel processing, multiple lane configurations.
- Explosion-proof (hazardous location) construction to Class I, Division I, Group D standards using the X-purge method.
- Automatic nitrogen purge to reduce or eliminate entry of oxygen into product during filling.
- Air pulse assisted product cut-off system.
- Vacuum aspiration for no-drip subsurface filling.
- Stainless steel, exotic metal, and non-metallic product reservoirs from 2 liter to 150 gallon capacity.
- Stainless steel sanitary (sealed, solid top) conveyors in any length and in widths up to 12".
- PLC controlled semi-automatic and fully automatic clean-in-place (CIP) systems.
- Servo controlled timing screw system for difficult containers such as soft ovals.
- Fully enclosed turnkey hot product filling systems.
- Standard and customized fill area safety enclosures.
- Automatic conveyor chain washing systems.
- Built-in expansion capability.

### **Oden Machinery**

600 Ensminger Rd.  
Tonawanda, NY 14150  
www.odenmachinery.com

Phone: 800-658-3622

Phone: 716-874-3000

Email: sales@odenmachinery.com

Oden Machinery maintains a constant program of product improvement which may affect design and/or specifications. We reserve the right to make these changes without prior notice or liability.

Net/Mass, Pro/Fill and Grav/Tronic are registered trademarks of Oden Machinery.