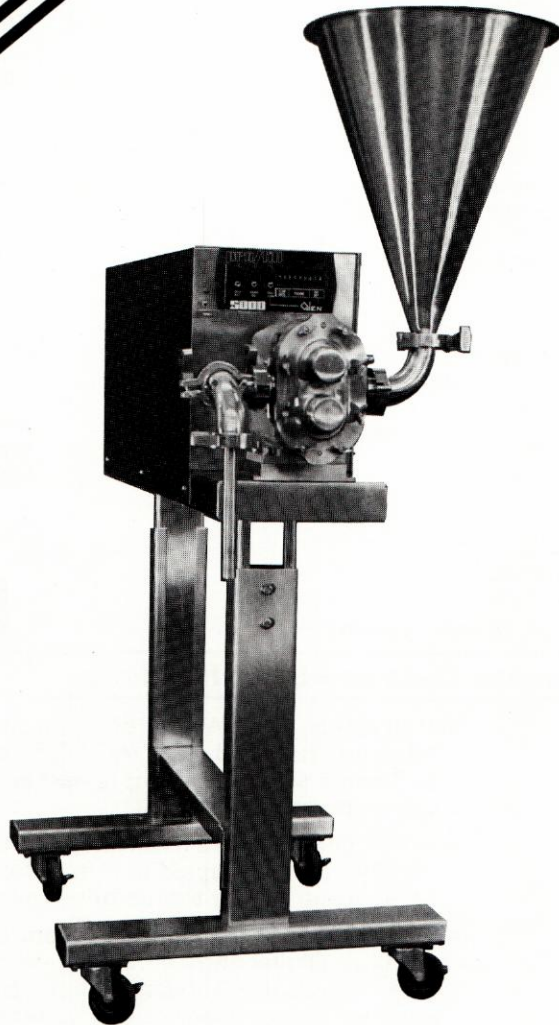


PRO/FILL 5000



pro/fill 5000

FILLING SYSTEM FOR VISCIOUS AND CHUNKY PRODUCTS

PRO/FILL 5000 with optional lobe pump and machine stand.
Unit can be fed by hopper or other appropriate reservoir.

- **VERSATILE**
Handles low to high viscosities and chunky products at volumes from less than one-half ounce to gallons.
- **ACCURATE**
Encoder based pulse counter controls volume with up to 0.1% accuracy.
- **DRIP-FREE**
Oden's exclusive digital entry of product pull-back at end of fill, along with superior nozzle design, provides uniquely effective drip control.
- **RELIABLE**
Gear type or optional sanitary lobe type pump provide rugged long term service.
- **ELECTRONICALLY CONTROLLED**
Simple digital entry of fill volume, pump speed and Oden's exclusive Anti-Drip setting.

PRO/FILL 5000 FILLING SYSTEM FOR VISCOUS AND CHUNKY PRODUCTS

Ideal for applications in a broad range of industries:

- FOOD PROCESSING
- CHEMICAL PROCESSING
- HOUSEHOLD PRODUCTS
- COSMETIC
- BIOTECH
- LABORATORY
- INDUSTRIAL
- PHARMACEUTICAL
- BIOMEDICAL PRODUCTION

Ideal for a broad range of products:

- | | | | | |
|--------------------|----------------------------|-------------------------|-----------------------|------------------------|
| abrasive epoxies | dental adhesives | ketchup | petrolatum | skin care products |
| applesauce | dental creams | liquid detergents | pharmaceutical creams | soft drink concentrate |
| barbeque sauces | dental solutions | liquid soaps | pie fillings | soldering paste |
| barium suspensions | facial creams | lubricants | pizza sauces | solvents |
| bath gel | fruit and custard fillings | marmalades | potato salad | spaghetti sauces |
| bath oil | fruit juice concentrates | mascaras | power steering fluid | sunscreens |
| batters | fruit nectars | mayonnaise | preserves | taco sauces |
| body oil | fruit toppings | meat pie fillings | puddings | tomato sauces |
| brake fluid | gels | meat spreads | relishes | tomato pastes |
| candle wax | gravies | milk and dairy products | salad dressings | toothpastes |
| cheese spreads | greases | motor oil | sandwich spreads | toppings |
| chocolates | hair care products | mucilage | shampoos | transmission fluid |
| chocolate sauces | hair treatments | mustards | shaving cream | urethane prepolymer |
| cider | hand cleaners | molasses | silicone products | yoghurt |
| confections | honey | paints | | |
| cookie fillings | hydraulic fluids | paint thinner | | |
| cosmetics | insecticides | pastes | | |
| cottage cheese | jams | pastry fillings | | |
| creams | jellies | peanut butter | | |

pro/fill
5000

— Benchtop To Fully Automated High Speed Systems —

PRO/FILL 5000 — Technical Data and Specifications

- **ACCURACY:** To 0.25% below 1 liter. To 0.1% above 1 liter. Subject to testing.*Electronically adjustable pull-back provides exceptional anti-drip control.
- **REPETITION:** Operator determined. Minimum time between fills, 0.1 second. Automatic cycling optional.
- **MINIMUM FILL:** 15 ml. Smaller volumes by special order.
- **MAXIMUM FILL:** 5 gallons. Higher output by special order.
- **FLUID CONTACT PARTS:** 316 stainless steel, Teflon and Rulon. Other materials available. One minute removal for clean-up.
- **STANDARD PUMP:** 7.0 GPM (26.5 liters/min.) flow rate, water curve. 316 stainless steel positive displacement gear type pump. Fast removal and easy disassembly for clean-up. Also available in 3A standards design.
- **SPECIAL PUMPS:** 316 stainless steel sanitary 3A rotary lobe pumps are also available with the 5000 system. These pumps are suited to food filling, pharmaceutical filling, and filling of shear sensitive products. Special pumps for aseptic filling are available. Pumps uniquely suited to filling chunky and particulated products can be provided, as well as pumps for filling abrasive products.
- **UTILITIES:** 115 VAC 50/60 cycle single phase at 18 amps, standard. 220 VAC 50/60 cycle single phase at 9 amps available. Compressed air may be required with some nozzle options.
- **PUMP DRIVE:** PM servo type gear motor, 3.75 HP, 90 VDC, direct coupled to pump. No clutch or clutch-brake used. Higher torque drives available.
- **ELECTRONICS:** Digital logic controlled process circuitry. Digital entry of fill volume, pump speed, and Oden's exclusive Anti-Drip setting. High resolution, encoder based pulse counter volume control circuitry. Direct computer interface available.
- **ENCLOSURE:** Stainless steel. Air-tight/fluid-tight construction available.
- **WEIGHT:** 175 pounds.
- **DIMENSIONS:** Height 15" (381 mm)
Width 10" (254 mm)
Depth 38" (965 mm)
- **OPTIONS:** Stainless steel machine stand, special nozzles, diving nozzles, alarms, remote electronics, automation package, sterile feed system.

***PRODUCT TESTING:** the fact that ODEN Systems have been successfully applied in the field of liquids, semi-liquids, pastes and lotions covering a wide range from very low to very high viscosities, and in many cases complying with stringent demands of accuracy, does not mean that there are no limits to practical use. We therefore offer to all our customers the benefit of pre-sale trials and tests with the original product(s) and containers at ODEN's facilities. Only upon positive conclusion of such tests can ODEN CORPORATION guarantee the satisfactory operation of its equipment for specific applications.



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Innovators in Electronically
Controlled Packaging Systems



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