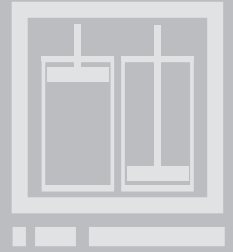




MARLEN

# OPTI 100

Twin-piston pumping system



## Key Benefits:

- Simplicity; no digital controls
- All the basics of a twin piston Marlen pump at a fraction of the cost
- Small footprint and easily portable



## Key Specifications

- Piston diameter: 7 1/8"
- Piston stroke: 14"
- Max capacity: 10,000 lbs/hr
- Max volume: 20 gpm
- Max product psi: 250 psi (17 bar)

## Key Features

- Externally-adjustable diffuser valve (Patented)
- One-piece vacuumizer hopper
- Push-button controls
- Hydraulically-driven front valve (Patented)
- Low profile

## Hopper Options

- Flat plate
- Open hopper
- Vacuumizing hopper

## Auxiliary Equipment

- Vari-Kut in-line grinder
- VPT (small portion control)
- COV Portioner (3 - 60 pound portions)
- RS Portioner (roll stock portioner)
- Transfer Valve (depositing)



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# MARLEN. REAL. SMART.

## Features and Customer Benefits

➤ **Maximum removal of entrapped air.** One-Piece Vacuumizer Hopper with auger for load assist. Marlen's unique high-differential vacuum ensures maximum removal of entrapped air resulting in denser product, more accurate portion control, and longer shelf life.

➤ **Accurate portioning.** Patented, Hydraulically-driven Front Valve delivers positive shifting for continuous, even product flow, and more accurate portion weight control.

➤ **Gentler on product.** Twin Piston Pumping System designed to gently deliver products to down-stream processes. The zero-slip design maintains product integrity for products ranging from the highly abrasive to whole muscle. The system is gentle on your products and reduces wear on the unit, extending its life.

➤ **Compact Design.** Accommodates limited spaces and heavy-duty casters provide easier portability.

- Proven twin-piston design
- Largest product openings
- Zero-slip design eliminates product degradation
- Minimal product damage and fewer cuts
- Designed to eliminate the need for downstream accumulators or bypass
- Precise metered flow or constant pressure control
- Built to USDA accepted standards
- Smaller number of parts simplifies cleanup

## Product Specifications

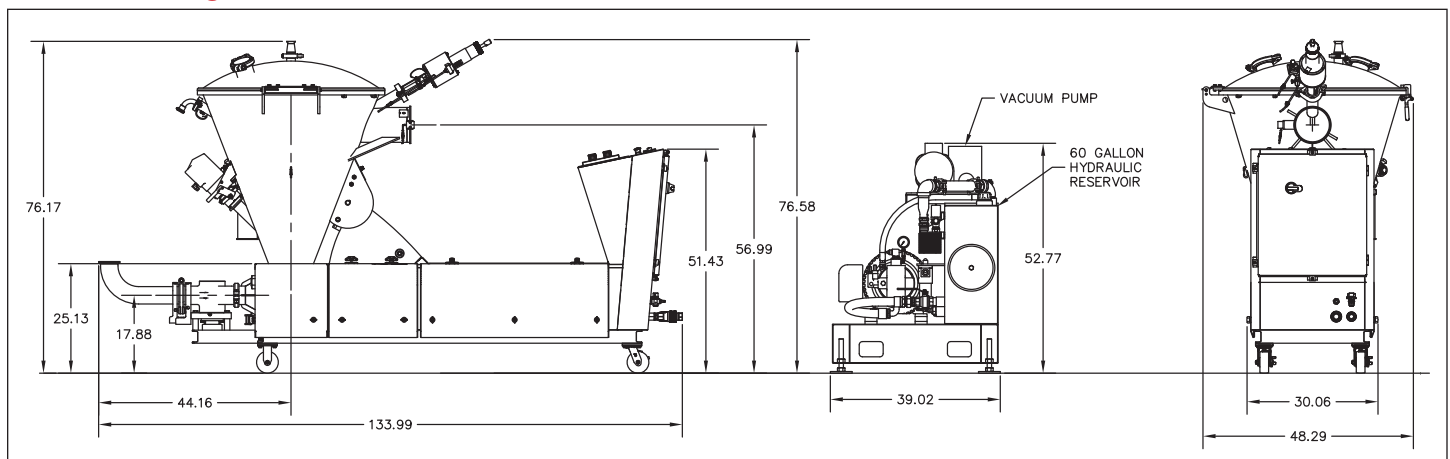
Piston Diameter	Piston Stroke	Maximum Capacity*	Maximum Volume	Product Outlet	Max. Product Pressure	Machine Weight
7 1/8" (181 mm)	14" (355 mm)	10,000 lb/hr (4535 kg/hr)	20 gpm (76 lpm)	4" (102 mm)	250 psi (17 bar)	2,300 lb (1043 kg)

\*The capacity is based on volume of the oil supply and a 2000 psi maximum supply pressure rating

## Utility Specifications

Pump	Air Requirements	Power Unit	Cooling Water	Vacuum Pump
110 V 10 Amp (1 Ph)	3 CFM at 100 psi	25 hp, 230/460 V (3 Ph/60 Hz 68/34 Amp)	Up to 8 gpm	5 hp, 230/460 V (7.6 Amp)

## Technical Drawings



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