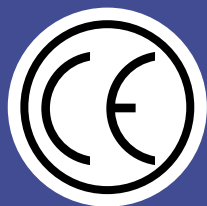
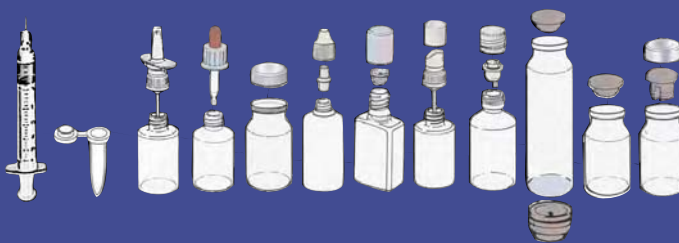


FILAMATIC®

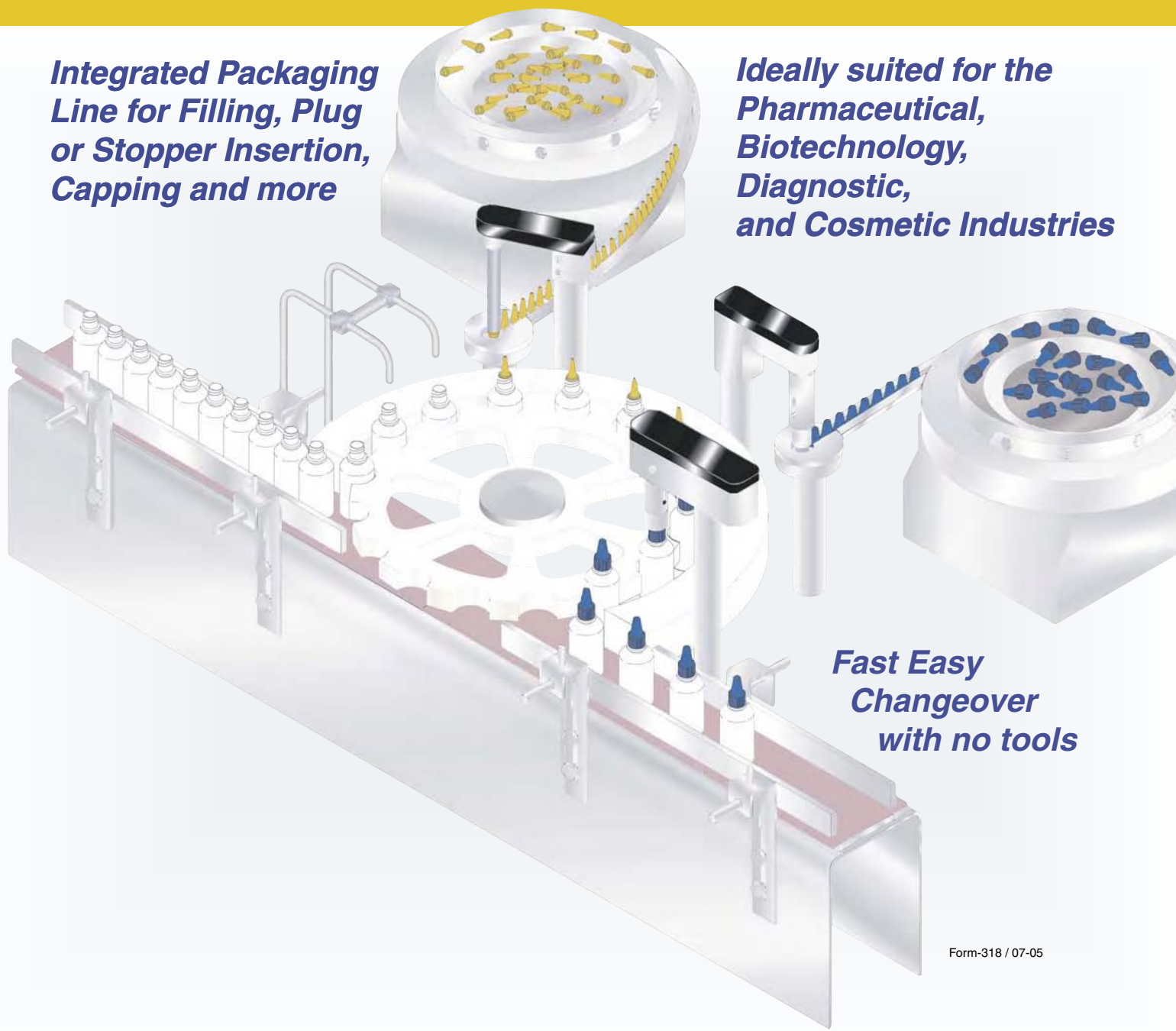


MONOBLOC

Series CE-MNB-2000

***Integrated Packaging
Line for Filling, Plug
or Stopper Insertion,
Capping and more***

***Ideally suited for the
Pharmaceutical,
Biotechnology,
Diagnostic,
and Cosmetic Industries***



***Fast Easy
Changeover
with no tools***

The logo for FILAMATIC, featuring the word "FILAMATIC" in a bold, italicized, sans-serif font, enclosed in a white rectangular border.

- ▶ Widest range of metering systems available for integration
- ▶ Servo controlled pump drive can achieve fill accuracies to $\pm 0.5\%$
- ▶ Filling adjustments can be made on-the-fly with pushbutton fill weight compensation
- ▶ No-tools changeover with menu-driven, pushbutton set-up
- ▶ On-the-fly adjustable servo cap torquing with electronic feedback for failsafe capping
- ▶ Advanced programmable logic controller monitors all machine functions
- ▶ Advanced touchscreen Human-Machine Interface with operating parameter recipe recall
- ▶ Reject verification prevents incomplete containers from traveling downstream
- ▶ Standard laminar airflow design for cleanroom / Optional HEPA system available
- ▶ All metal product contact parts are 316 SS
- ▶ Comprehensive validation documentation available
- ▶ Multimedia electronic documentation supplied on CD-ROM
- ▶ Full system integration with all associated machinery available

Custom Monoblocs

Fifty years of experience and thousands of custom machines for the pharmaceutical, diagnostic, and cosmetic packaging industries in operation today, are accomplishments in which **FILAMATIC** is rightfully proud. The ability to conceptualize, engineer, manufacture, install, and service liquid packaging machinery that continually exceeds customer expectations has allowed **FILAMATIC** to succeed as a major manufacturer of standard and custom Monoblocs. Offering one of the broadest Monobloc lines in the packaging industry, our experienced sales/engineering staff will help you determine how our modular designed systems can be customized to your specific needs.



Micro-Tube Filling Capping



Trapezoid Bottle Filling Capping

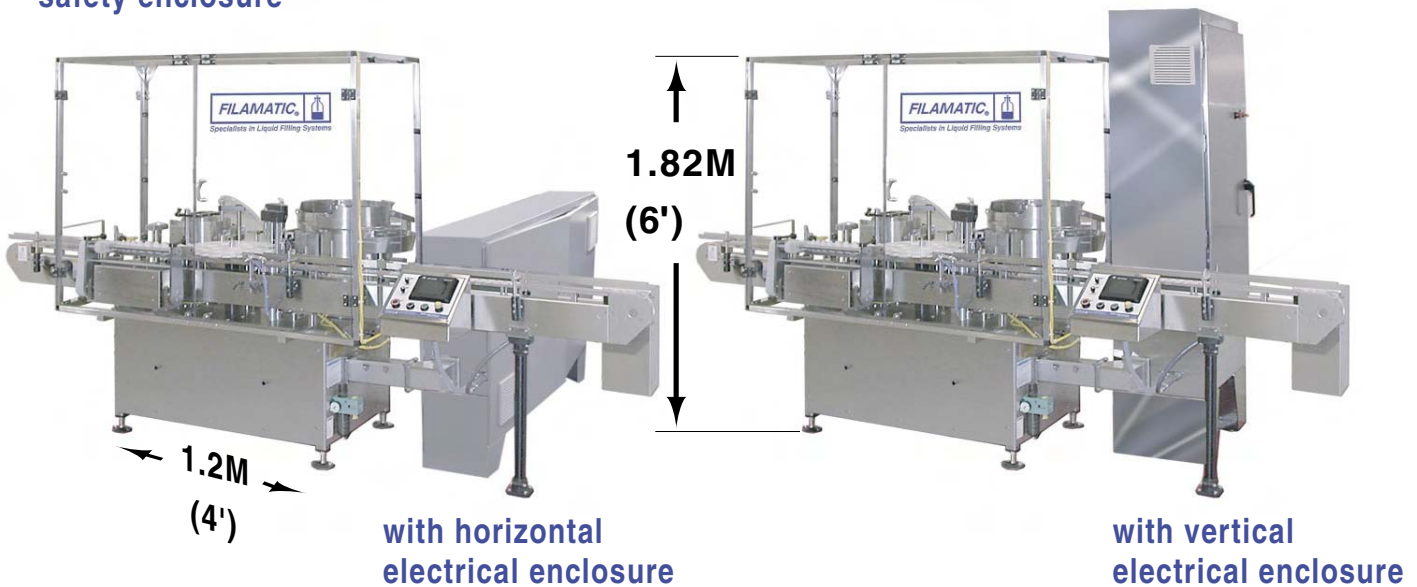
Series CE-MNB-2000 Monoblocs

Model number does not distinguish selected options from those offered. The serial number is linked to the proposal to specify options to be used.

The CE-MNB-2000 is a state-of-the-art liquid packaging system that is cost effective, modular, versatile, reliable, and easy-to-use. This compact Monobloc design saves on valuable floor space, and allows a single operator to oversee the filling and closing operations.

The **FILAMATIC** Monobloc is capable of filling products ranging from free flowing liquids to viscous creams into a wide variety of containers and sizes. Fill range is from 0.5 ml to 500 ml. As system integrators we are well equipped to supply you with a complete production line, including all associated equipment.

Model: CE-MNB-2000
Shown with standard safety enclosure



Options include:

- ▶ Bottom up filling of foamy products
- ▶ Gas purging
- ▶ Reject collection
- ▶ Bulk feeding of closure commodities
- ▶ Integration of unscramblers, accumulators, labelers, inspection systems and more...
- ▶ Choice of metering systems including: Piston, Peristaltic, Rotary Piston, Rotary Gear and Rotary Lobe
- ▶ Container Feeding options: Tray, Vibratory Bowl, Centrifugal Bowl, Chute to Turret Pocket, Conveyor, Multiaxis Robotic Positioner, Manual.

MONOBLOC MACHINE MODEL:
CE-MNB-2000

Typical Specifications:

Material of construction:

Stainless Steel with transparent polycarbonate panels

Electrical Requirements:

208 - 240 V, - 60 Hz. - 8 KW

Processing Speed: Adjustable to 100 cpm

Environmental Conditions

Indoor Use

Altitude up to 2000meter

Temperature range of 5 C to 40 C

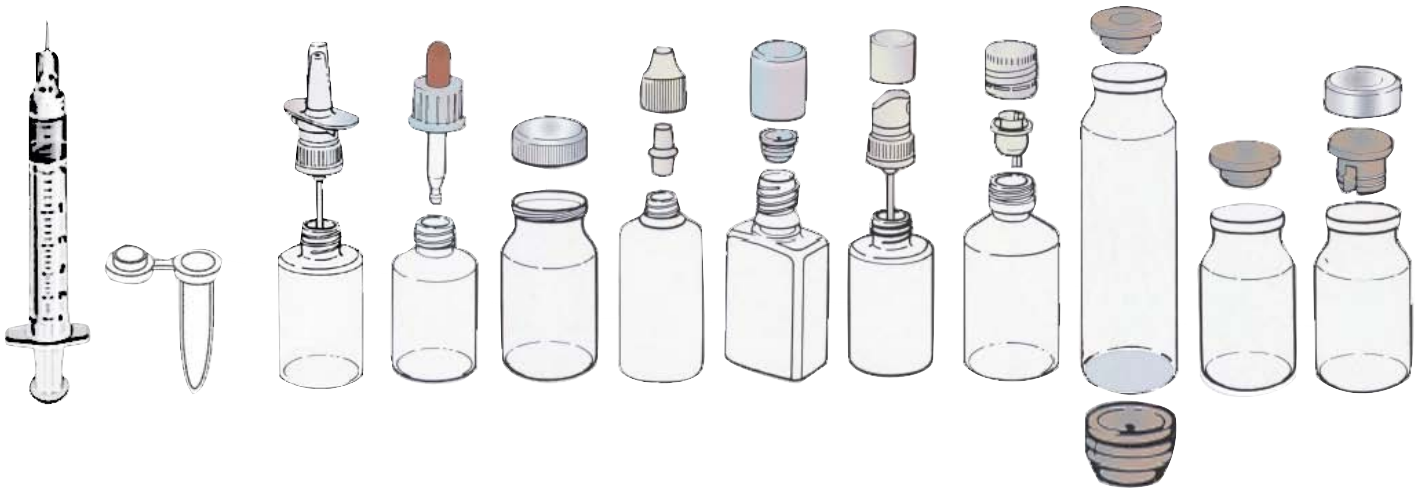
Max. relative humidity 80% for temperature up to 31 C decreasing linearly to 50% relative humidity at 40 C.

Mains supply voltage fluctuations not to exceed $\pm 10\%$ of the nominal voltage

Transient overvoltage installation category number II

Pollution degree 2

Modular Monobloc Model: CE-MNB-2000 Container Finishing Options Include:



Liquid
Filling

Tipping
&
Capping

Stoppering
&
Crimping

Fitment
Insertion

Fitment
Assembly

Labeling
&
Coding

Container Range: From 9.525 mm (0.375") through 57.15 mm (2.25") diameter and from 25.4 mm (1") to 127 mm (5") tall containers

Closure Range: From 8 mm through 28 mm diameter caps

Commodities exceeding these ranges may be acceptable. Please submit samples for review and quotation

Air Requirements: 7 - 10 l/s (15 - 20 SCFM) @ 5.5 Bar (80 psi)

Electrical: Our standard product offering includes a control package requiring an electrical service described as follows: 208 Volts, 3 phase

Comprehensive GAMP, FAT, IQ, OQ and Materials of Construction certification documentation is available

FREE TESTING SERVICE

We shall be happy to test run your product, at no cost or obligation, to recommend the **FILAMATIC** system which best meets your specific needs. Please call our Sales Department at 1-800-526-1301.

FILAMATIC



Specialists In Liquid Filling Systems

National Instrument, LLC

4119 Fordleigh Road Baltimore, Maryland 21215, U.S.A.

410-764-0900 800-526-1301 Fax: 410-764-7719

www.filamatic.com info@filamatic.com

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