

# Aseptic Filling Machine EL3

FOR FAMILY SIZED PACKAGES, AMBIENT DISTRIBUTION



## EL3 Short Facts

EL3 is an aseptic filling machine for low and high acid liquid food products in Ecolean® Air Aseptic packages. The filling line has a fully integrated packer for both cardboard boxes and plastic crates (up to 286 mm in width).

Package sizes: 500, 750, 1000 ml

Capacity: Up to 6000 packages/hour

## EL3 Options

SnapQuick™ Applicator ERA3

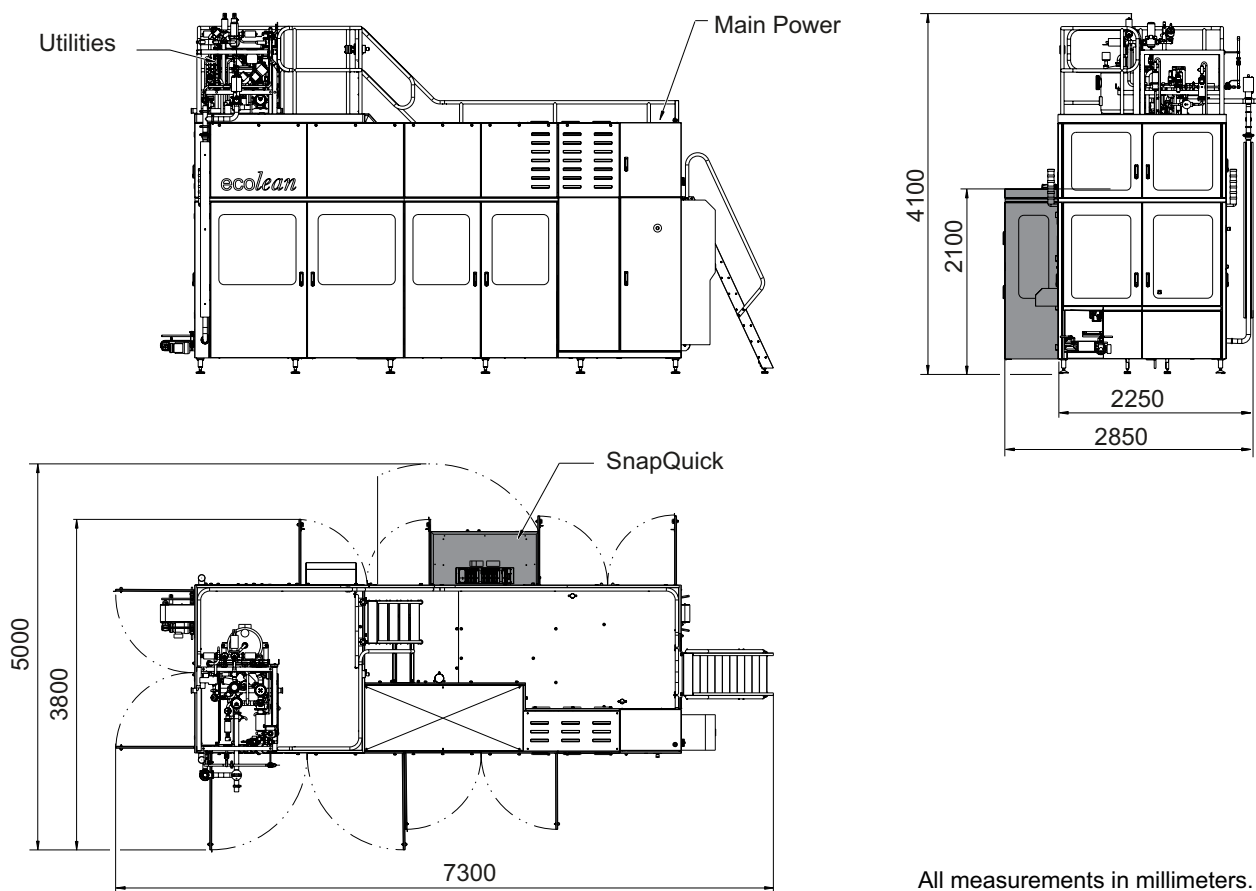
The Ecolean patented reclosing device SnapQuick™ is attached to the packages before entering the filling chamber. SnapQuick™ is made of PET and weighs 0.5 g.



**ecolean**  
a lighter approach to packaging

# TECHNICAL SPECIFICATIONS

## Aseptic Filling Machine EL3



All measurements in millimeters.

### UTILITIES EL3

#### Electrical power

Main connection	400 V AC, 3NPE, 50 Hz, 32 A
Consumption, kW	9 (average)
Peak during CIP, kW/h	13

#### Product specifications

Pressure, bar	1.2-1.7 (3.5 maximum)
Nominal flow, l/h	3000 (500 ml), 4500 (750 ml), 6000 (1000 ml)
Temperature, °C	15-30

#### Water specifications

Pressure, bar	3-8
Consumption production, l/h	0
Consumption chamber cleaning, l/cycle	970 (average)
Minimum flowrate, l/h	6900 (chamber cleaning)
Water specification	EU drinking water directive 98/83/EC. WHO Guidelines for drinking water quality.

#### CIP specifications

Pressure, bar	3.5 (maximum)
Flow, l/h	13 000 (minimum)
Chemicals	Ecolean recommendations

#### Chamber cleaning

Alkali consumption, l/cycle	1
Disinfectant consumption, l/cycle	0.4 (runs every 10th cycle)
Acid consumption, l/cycle	1 (if needed)
Chemicals	Ecolean recommendations

#### Compressed air specifications

Pressure, bar	6.5
Consumption, NI/min	1290 (average)
Peak at splice, NI/min	1480
Compressed air quality	ISO 8573-1:2010 (6:4:3)

#### Steam specifications

Pressure, bar	6 (recommended)
Consumption, kg/h	10 (standby/production) 100 (SIP/chamber cleaning)
Steam quality	Industrial steam

#### Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) (food grade)

Concentration 1%, l/h	0.7 (production)
Concentration 35%, l/cycle	0.025 (sterilisation)
Water quality	ISO 3696:1987 Grade 2 CLSI Type 2

#### Operational conditions

Recommended temperature, °C	15-30
Recommended relative humidity, RH %	20-80

#### Communication

Internet for on-line support (minimum 256 kbit/s)

### OPTIONAL SNAPQUICK™ APPLICATOR ERA3

#### Additional consumption

Power consumption, kW	0.5 (average)
Air consumption, NI/min	105 (average)