

PACKAGING SYSTEMS (PTY) LTD

FILMATIC



NET WEIGHT FILLERS

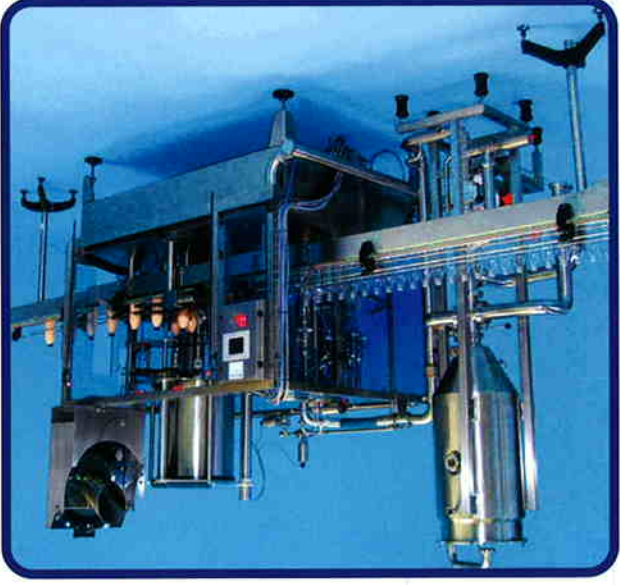


> FEATURES

- Net weight fillers can be combined with rinsers on a monoblock base and can rinse, fill and cap different shaped containers ranging from 250ml to 5000ml.
- Filling speeds vary from 80 BPM to more than 500 BPM.
- Safety and quality is ISO 9001 accredited and according to CE standards.
- The equipment is manufactured entirely in stainless steel and non-ferrous materials and all commercial components are readily available off the shelf.
- Short changeover times, with quick release change parts.
- Inspection doors, transparent panels and internal lighting offer excellent visibility.
- Motorized raising and lowering of rinsing, filling and capping turrets.
- Sloped base for good hygiene.
- Centralized lubrication.
- Gear driven.

> PRODUCTS

- Still beverages such as fruit juice
- Fresh and flavoured milk
- Drinking yoghurt
- Motor and edible oil
- Detergents
- Sauces such as ketchup and mayonnaise
- Products with particles
- Aerated products



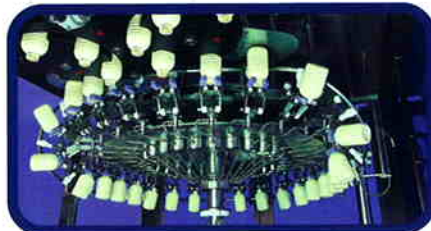
> FOOD GRADE FEATURES

- Hot fill
- Bottom up filling option
- Can fill aerated products
- Glass and PET containers
- Excellent CIP system
- Management information can be linked to factory management system



- > INDUSTRIAL GRADE FILLER
- > PRODUCTS
- Edible oil
- Lube oil
- Detergents
- Paint
- Shampoo & liquid soaps

- > Rinsing - Optional
- Single or double stage rinsing depending on product and rinsing agent;
- Rinsing can be with hot air, ozonated water or chemical agents.
- Line control sensors ensure perfect timing and synchronizing with filler.
- Excess sterilizing vapour is removed by means of an extraction fan.
- > Weigh Filling
- Containers are fed into the filling section by means of an infeed scroll to ensure smooth transfer.
- Individual load cells control the target mass in each bottle.
- Non-contact shut-off filling valves are pneumatically actuated and ensure a clean filling action.
- Accuracy is 0.25% standard deviation.
- > Capping
- Capping can be on the fly or pick & place, depending on the bottle and cap combination.
- A no-bottle no-cap function is included.
- Foil, snap or screw caps can be handled.
- Options for cap unscrewers include a horizontal or vertical rotary type, or a waterfall unscrewler.
- > CIP
- The C.I.P. cycle is controlled by pre-programmed software.
- The C.I.P. can be customized to the customer's specifications.
- After intervention a sterilizing cycle (self cleaning cycle) will come into operation, with affected bottles being rejected.
- > Divert system
- The standard divert system is used for sampling purposes, container weight control and to divert containers without caps. These containers are diverted onto a parallel conveyor system.
- > Ultra clean options
- A HEPA filter system ensures positive downflow of sterile air over the filling and capping areas (HEPA B and DOP certified).
- Cap sterilization by means of a cap rinse elevator.
- > Electronic features
- Settings are done on a touch screen control panel.
- Product settings can be saved and recalled, reducing changeover time.
- Management Information is displayed on the touch screen and can be linked to a Factory Management System.



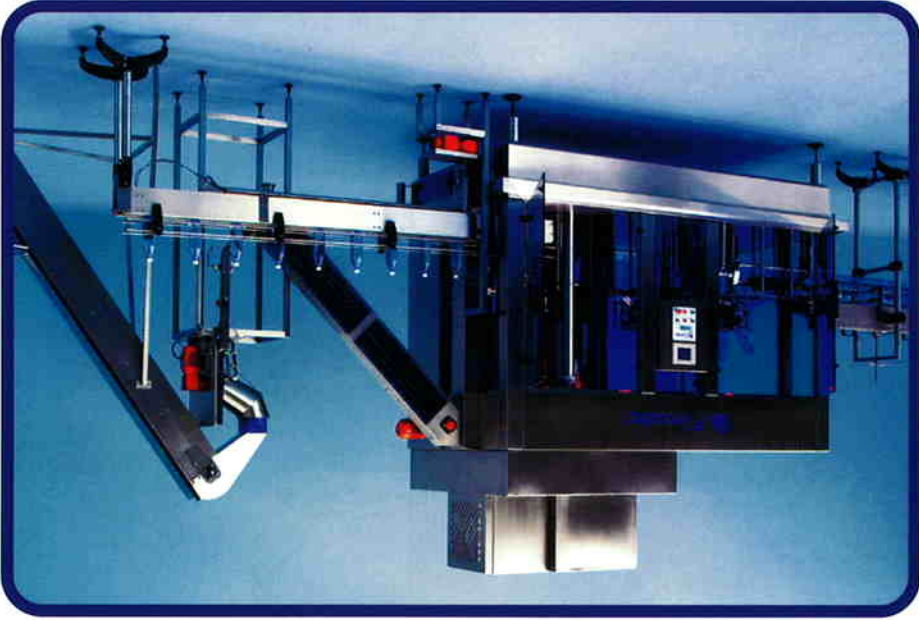


> FEATURES

- Level fillers can be combined with rinsers on a monoblock base and are designed to rinse, fill and cap different shaped containers from 250ml to 5000ml.
- Equipment is designed to ISO 9001 standards and safety features conform to CE standards.
- Filling speeds vary from 40 BPM to more than 500 BPM
- The equipment is manufactured in stainless steel and non ferrous materials and all commercial components are readily available off the shelf.
- Changeover times are short with quick release change parts.
- Inspection doors, transparent panels and internal lighting offers excellent visibility.
- Motorized raising and lowering of rinsing, filling and capping sections.
- Model range varies from 8 filling heads to 60 filling heads.
- Vacuum assisted filling valves can be provided for more viscous products.
- Hot fill option
- Gear driven
- Sloped base for easy cleaning

> PRODUCTS

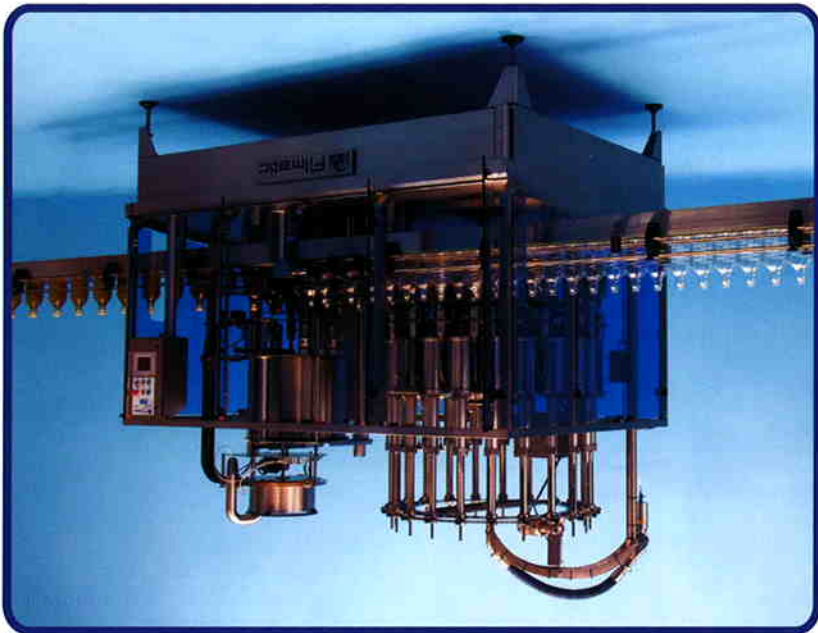
- Still beverages such as
- Fruit juice
- Fresh and
- Flavoured milk
- Drinking yoghurt
- Iced Tea
- Mineral water
- Energy drinks





- > Rinsing - optional
 - Single or double stage rinsing depending on product and rinsing agent.
 - Rinsing can be with hot air, ozonated water or chemical agents.
 - Rinsers can be combined with fillers on a monoblock.
 - Line control sensors ensure perfect timing and synchronizing with fillers.
 - Excess sterilizing vapour is removed by means of an extraction fan.
- > Level filling
 - Gentle, gravity fed filling for accurate filling without foaming.
 - Level control in the filling bowl is regulated by a modulating valve.
 - The containers open the filling valves and the valves fill to a constant level measured from the top of the bottle.
 - A no-bottle no-fill function is included.
- > Capping
 - Capping can be on the fly or pick & place, depending on the bottle and cap combination.
 - Options for cap unscramblers include a horizontal or vertical rotary cap unscrambler or a waterfall unscrambler.
 - A no-bottle no-cap function is included. Foil, snap or screw caps can be handled.
- > CIP
 - The C.I.P. cycle is controlled by pre-programmed software.
 - The C.I.P. can be customized to the customer's specifications.
 - After intervention a sterilizing cycle (self cleaning cycle) will come into operation, with affected bottles being rejected.
- > Divert system
 - The divert system is used for sampling purposes, to divert low and high level product containers and containers without caps. These containers are diverted onto a parallel conveyor system.
- > Electronic features
 - Touch screen option available.

VOLUMETRIC BOTTLE FILLER



- > OPTIONS
- Remote diagnostics with modem
- SCADA system interface
- Automatic temperature dependent volume adjustment
- Colour touch screen control panel with alarm logging and information messages
- > Suitable for homogenous viscous products

> CUSTOMER BENEFITS

- Automatic setup of parameters for user programmable recipes. Filling volume, line speed, line control and capping parameters (up to 20 recipes)
- Pistons can be individually de-activated during production should maintenance be required
- Individual calibration of piston volumes (i.e. after replacement)
- Automatic purge function to get all air out of the pistons
- Setup and parameter adjustment with password control protection
- Tool-less removal and disassembly of valves
- Centralized lubrication
- No container no fill, to minimize product wastage
- Full safety guarding to international safety standards with access monitoring
- Non contact filling – non drip valves

COUNTER PRESSURE FILLERS

> FEATURES

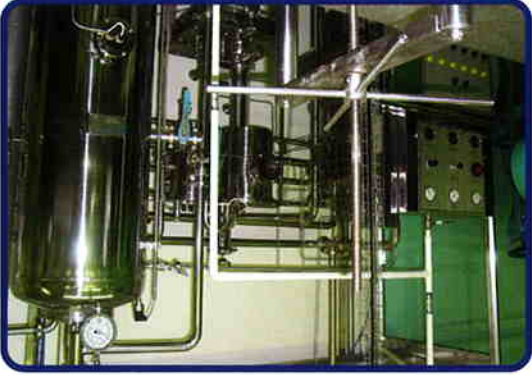
- Designed for large range of carbonated soft drinks.
- Can handle different shaped and size containers with same neck diameter.
- Accurate pick and place capping.
- PET and glass containers.
- Filling speed of up to 40,000 BPH.

> ADDITIONAL EQUIPMENT

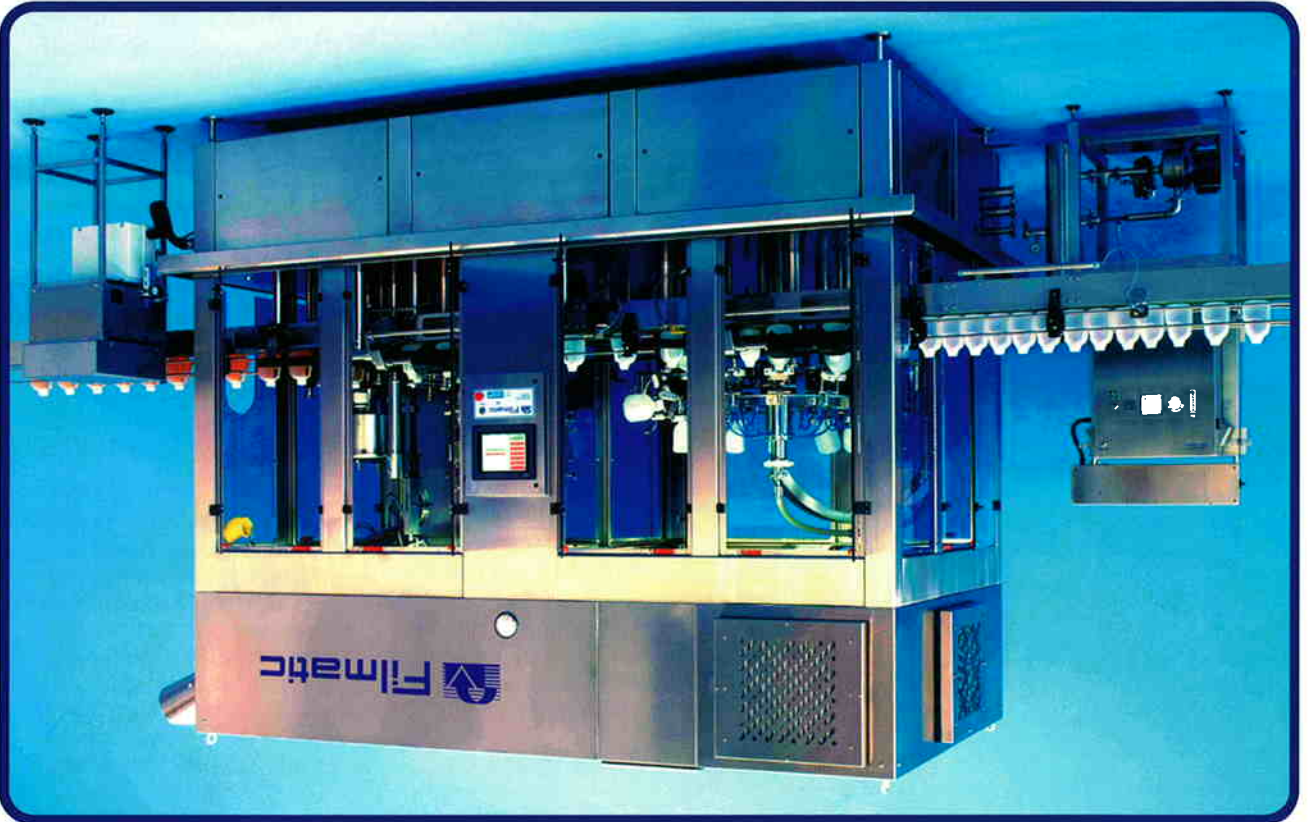
- De-aerators
- Mixers
- Carbonators
- Chillers
- Filters
- De-chlorinators
- Bottle washers

> Can fillers also available

> Suitable for variety of carbonated soft drinks



FLOWMETER FILLERS



> FEATURES

- Flowmeter fillers can handle a wide range of products and container sizes.
- Capping is done by the Filmatic light action, variable torque capper.
- The filling and capper turret height adjustments are done automatically by the system.
- A full CIP/ SIP system is also available
- Easily adjustable settings allow a simple, fast changeover between different bottle sizes without the need for tools
- All adjustments are made through the Touch Screen operator panel
- Statistical production information can be viewed or downloaded anytime during the machine operation
- Robust construction

CAP UNSCRAMBLERS



> FEATURES

- Filmatic designs and manufactures a wide range of rotary cap unscramblers including horizontal, vertical, incline and waterfall/cascade.
- These cap unscramblers are designed to work with a wide variety of caps including sports caps.
- Cap unscramblers are manufactured in stainless steel for hygiene and durability.
- The sorting action is gentle to protect the cap and ensure integrity.
- Cap sterilization is an option for longer shelf life.