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
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 unscramblers include a horizontal or vertical rotary type, or a waterfall unscrambler.

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.

INDUSTRIAL GRADE FILLER

PRODUCTS
- Edible oil
- Lube oil
- Detergents
- Paint
- Shampoo & liquid soaps
> 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.
  • Rinser can be with hot air, ozonated water or chemical agents.
  • Rinser 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

> 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
- Noncontact 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

> 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
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.
PUMP FILLERS

> VERSATILITY
  • The model range varies from single valve to 12 valves.
  • The filling principle is extremely simple.
  • Containers enter the machine on the conveyor.
  • The filling valves are lowered into the necks to pump a pre-selected amount of product into the containers. After filling the containers are released and the next cycle begins.
  • The filling valve height can be easily adjusted.
  • A full C.I.P. system is available as an option.

> FEATURES
  • The fillers can handle a large range of bottle sizes and most flowable products.
  • Easily adjustable settings allow a simple, fast changeover between different bottle types.
  • The machine is manufactured in stainless steel for excellent hygiene and durability.
  • High accuracy.
  • Gentle handling of the product.
  • Versatile fill cycle.

> PRODUCTS
  • Edible oil
  • Mayonnaise and salad dressings
  • Condensed milk
  • Juice and concentrates
  • Household detergents
  • Hand creams

VOLUMETRIC CUP FILLERS

> FEATURES
  • The cup filler can handle a large range of container sizes.
  • A range of filling nozzle options allows filling of most flowable products.
  • No-cup no-fill is included.
  • Lipped-foil heat seal lids are standard.
  • A second filling cycle, suitable for filling two-part products can be added.
  • Plastic lid overcapping can also be accommodated.
  • Gentle filling cycle.
  • Change parts designed for quick changeover.

> PRODUCTS
  • Smooth and fruit yoghurts
  • Creams and desserts
  • Ice cream
  • Combination of fruit and yoghurt
  • Multiple flavours on 6-pack configuration
PLASTIC BOTTLE UNSCRAMBLERS

VERSATILITY
- The bottles are moved into custom-designed selector pieces by the rotating disk.
- A selector system guides the bottles into the upright position and transfers them onto the discharge conveyor belt.
- The conveyor belt is provided with an optional vacuum fan to stabilize the bottles once they leave the machine.

FEATURES
- The unscrember can handle a large range of bottle sizes, shapes and types.
- A simple replacement mechanism allows fast changeovers between different bottle types.
- The machine is manufactured with a stainless steel or fiberglass cowl and epoxy coated or stainless steel base.
- A completely enclosed cabinet is also available as an option.
- Bottles can optionally be discharged onto a vacuum conveyor or an airveyor.
- No force is applied during the selection process - bottles move by gravity.
- Innovative selector design - no upside down bottles.
- Silent wave option with low noise levels.

SACHET FILLERS

FEATURES
- Horizontal and vertical sealing
- Pump system optional
- UV sterilization optional
- Registered cutting
- Low operation cost
- Low maintenance cost
- Low energy consumption
- Volumes from 100ml to 1000ml
- Date coding optional
- Speed up to 10,000 sachets per hour
- Aseptic model also available
ROTARY BOTTLE RINSERS

> FEATURES
- Single or double stage rinsing options.
- Motorized height adjustment of rinse turret.
- Rinsing fluid can be sterile hot air, ozonated water, or chemical agents.
- Manufactured in stainless steel for excellent hygiene and durability.
- Easily adjustable rapid exchange parts ensures quick changeovers.
- No-bottle no-rinse option.
- Adjustable ratio between rinse and drain cycles.
- In-place neck change parts.
- Wet and dry rinse options

LABELLERS AND SLEEVERS

> MODEL RANGE
- Self adhesive
- Cold glue
- Hot Melt
- Rollmatic
- Shrink sleever

> FEATURES
- Large range of container shapes and sizes
- Single panel
- Across 2 or 3 panels
- Wrap around
- Tamper proof
- Speed up to 800 labels/sleeves per minute
- Quick changeover between bottle type
MANUAL FILLERS

> FEATURES
- The filler can handle a large range of bottle sizes and most free-flowing products
- Easy to use with a single operator
- Quick changeover between different bottle types
- Low maintenance
- Fill, cap, date code and label up to 1400 BPH

STAND ALONE CAPPERS

> FEATURES
- Can handle a large range of bottle sizes
- Quick changeover between bottle sizes
- Fly capping and pick and place options
- Foil, snap and screw caps or combinations
- Flat and sports caps
- Variable speed slaved to the filler
- Cap sterilization optional
> GLOBAL MARKET PRESENCE

We have an international distribution network with our equipment operating in 25 countries, including countries in Western and Eastern Europe, the United Kingdom, the United States of America, Australia, South East Asia, Taiwan, Mexico, various African countries, Indian ocean islands and South Africa.

> PRODUCTS

We handle all types of glass and plastic bottles, different types of caps and provide our services to producers of milk, cream, yoghurt, mineral water, fruit juice, cordials, concentrates, energy drinks, carbonated soft drinks, ketchup, vinegar, mayonnaise, chutney, edible oil, motor oil, shampoo, dish washing liquids, household cleaners, etc.

> AGENCY PRODUCTS

To enable us to offer turnkey installations we have secured the distribution rights of a number of foreign equipment suppliers

Grunwald
High speed tub fillers for yoghurt and other foods

Dimac/Pentatec
High speed end of line packing equipment

PE / Mondial / Packlab Labellers
Rotary and in-line self adhesive, cold glue, hot melt and rolmatic models

Zegla
Filling lines for CSD’s in bottles and cans with a range of complemntary equipment

TMG
Palletisers, de-palletisers and packers

> TURNKEY CAPABILITIES

[Diagram of turnkey capabilities]

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