

Product Data

# LiqCN Bottle Filling Machine

HUADA Pharma international Co., Ltd



**HUADA**  
Pharma



## LiqCN Filling Machine

Product Data

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# LiqCN-4 Piston Bottle Filler



LiqCN-4 Series Piston Bottle Filling Machine is design to provide flexible filling capability for all your applications from light liquids to heavy creams and gels. Automatic models are available in three dispensing ranges: 0-100mL (up to 40 cpm), 100-500mL (up to 30 cpm) and 500-1,000mL (up to 25 cpm) with little additional change parts.

Each A-4 Series Piston Bottle Filling system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy to use system with a simple

and intuitive touch screen display.

The equipment design is fully in line with the requirements of CGMP and FDA specification.

It is an intelligent device for pharmaceutical production, health care products and capsule production in food industry.

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications.
- 316L Stainless Steel Head Filling with 4 nozzle ports.
- Servo Driven Piston Filler.
- PLC Touch screen with HMI interface for easy recipe setup and monitoring.
- Motorizing system for the movements of various groups.
- No bottle-no fill.
- Neck clamp; clamp on/off contact parts for fast changeover.
- All non-metal material will be designed for compatibility with customer's disinfectants.
- Capable of assigning user rights to a group; user access matrix available
- HMI CFR 21, Part 11 compliant; Audit Trail is viewable/exportable
- FAT service included
- Optional pFMEA, SAT and IOQ available



## Technical Parameters

Model:	LiqCN-4 Series
Length:	95"
Width:	60"
Height:	80"
Weight:	2,000 lb.
Filling Nozzles:	4
Accuracy:	± 2%
Reject Rate:	Less than 1%
Electrical Requirements:	380V/50Hz
Air Requirements:	110 psi.
Range:	0-100mL, 100-500mL, 500-1,000mL
Output:	up to 40 CPM
Finish:	Stainless steel

# LiqCN-4A Piston Bottle Filler



liqCN-4A Series Piston Bottle Filling Machine is design to provide flexible filling capability for all your applications from light liquids to heavy creams and gels. Automatic models are available in three dispensing ranges: 0-100mL (up to 40 cpm), 100-500mL (up to 30 cpm) and 500-1,000mL (up to 25 cpm) with little additional change parts.

Each A-4 Series Piston Bottle Filling system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy to use system with a simple and intuitive touch screen display.

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- 316L Stainless Steel Head Filling with 8 nozzle ports
- Servo Driven Piston Filler
- PLC Touch screen with HMI interface for easy recipe setup and monitoring
- Motorizing system for the movements of various groups
- No bottle-no fill
- Neck clamp; clamp on/off contact parts for fast changeover
- All non-metal material will be designed for compatibility with customer's disinfectants.
- Capable of assigning user rights to a group; user access matrix available
- HMI CFR 21, Part 11 compliant; Audit Trail is viewable/exportable
- FAT service included
- Optional pFMEA, SAT and IOQ available



## Technical Parameters

Model:	LiqCN-4A Series
Length:	95"
Width:	60"
Height:	80"
Weight:	2,000 lb.
Filling Nozzles:	4
Accuracy:	± 2%
Reject Rate:	Less than 1%
Electrical Requirements:	380V/50Hz
Air Requirements:	110 psi.
Range:	0-100mL, 100-500mL, 500-1,000mL
Output:	up to 40 CPM
Finish:	Stainless steel

# LiqCN-8 Piston Bottle Filler



LiqCN-8 Series Piston Bottle Filling Machine is design to provide flexible filling capability for all your applications from light liquids to heavy creams and gels. Automatic models are available in three dispensing ranges: 30-100mL (up to 80 cpm), 100-500mL (up to 60 cpm) and 500-1,000mL (up to 50 cpm) with little additional change parts. Each LiqCN-8 Series Piston Bottle Filling system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy to use system with a simple and intuitive touch screen display.

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications.
- 316L Stainless Steel Head Filling with 4 nozzle ports.
- Servo Driven Piston Filler.
- PLC Touch screen with HMI interface for easy recipe setup and monitoring.
- Motorizing system for the movements of various groups.
- No bottle-no fill.
- Neck clamp; clamp on/off contact parts for fast changeover.
- All non-metal material will be designed for compatibility with customer's disinfectants.
- Capable of assigning user rights to a group; user access matrix available.
- HMI CFR 21, Part 11 compliant; Audit Trail is viewable/exportable.
- FAT service included.
- Optional pFMEA, SAT and IOQ available.



## Technical Parameters

Model:	LiqCN-8 Series
Length:	95"
Width:	60"
Height:	80"
Weight:	2,000 lb.
Filling Nozzles:	4
Accuracy:	± 2%
Reject Rate:	Less than 1%
Electrical Requirements:	380V/50Hz
Air Requirements:	110 psi.
Range:	0-100mL, 100-500mL, 500-1,000mL
Output:	up to 40 CPM
Finish:	Stainless steel

# LiqCN-8A Piston Bottle Filler



LiqCN-8 Series Piston Bottle Filling Machine is design to provide flexible filling capability for all your applications from light liquids to heavy creams and gels. Automatic models are available in three dispensing ranges: 30-100mL (up to 80 cpm), 100-500mL (up to 60 cpm) and 500-1,000mL (up to 50 cpm) with little additional change parts.

Each A-8 Series Piston Bottle Filling system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy use system with a simple and intuitive touch screen display.

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## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- 316L Stainless Steel Head Filling with 8 nozzle ports
- Servo Driven Piston Filler
- PLC Touch screen with HMI interface for easy recipe setup and monitoring
- Motorizing system for the movements of various groups
- No bottle-no fill
- Neck clamp; clamp on/off contact parts for fast changeover
- All non-metal material will be designed for compatibility with customer's disinfectants.
- Capable of assigning user rights to a group; user access matrix available
- HMI CFR 21, Part 11 compliant; Audit Trail is viewable/exportable
- FAT service included
- Optional pFMEA, SAT and IOQ available



## Technical Parameters

Model:	LiqCN-8A Series
<i>Length:</i>	120"
<i>Width:</i>	60"
<i>Height:</i>	80"
<i>Weight:</i>	2,000 lb.
<i>Filling Nozzles:</i>	8
<i>Accuracy:</i>	± 2%
<i>Reject Rate:</i>	Less than 1%
<i>Electrical Requirements:</i>	380V/50Hz
<i>Air Requirements:</i>	110 psi.
<i>Range:</i>	0-100mL, 100-500mL, 500-1,000mL
<i>Output:</i>	up to 80 CPM
<i>Finish:</i>	Stainless steel

# LiqCN-8S Piston Bottle Filler



LiqCN-8S positive displacement bottle filling machine is design to provide flexible filling capability for all your applications from light liquids to heavy creams and gels. Automatic models are available in three dispensing ranges: 30-100mL (up to 80 cpm), 100-500mL (up to 60 cpm) and 500-1,000mL (up to 50 cpm) with little additional change parts.

M-8 Bottle Filling system is great for cosmetics and nutraceutical industries by providing competitive pricing without compromising on the product quality and speed. Each machine is specifically constructed to the individual product specifications, space constraints,

and production environment to maximize product output. It is an easy to use system with a simple and intuitive touch screen display.

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- 316L Stainless Steel Head Filling with 8 nozzle ports
- Servo Driven Positive Displacement Filler
- PLC Touch screen with HMI interface for easy recipe setup and monitoring
- Motorizing system for the movements of various groups
- No bottle-no fill
- Neck clamp; clamp on/off contact parts for fast changeover
- All non-metal material will be designed for compatibility with customer's disinfectants
- Capable of assigning user rights to a group; user access matrix available
- FAT service included
- Optional pFMEA, SAT and IOQ available



## Technical Parameters

Model:	LiqCN-8S
Length:	120"
Width:	60"
Height:	80"
Weight:	2,000 lb.
Filling Nozzles:	8
Accuracy:	± 3%
Reject Rate:	Less than 0.1%
Electrical Requirements:	380V/50Hz
Air Requirements:	110 psi.
Range:	0-100mL, 100-500mL, 500-1,000mL
Output:	up to 80 CPM
Finish:	Stainless steel



# LiqCN-4MA Bottle Filler & Caps Monoblock



LiqCN-4MA Bottle Filling and Capping Monoblock is design to fill and cap plastic or glass bottles up to 35 cpm. With this Monoblock system, the manufacturing process is simplified by combining the bottle filler and capper into a single space-saving machine. This Monoblock machine is great for products in pharmaceutical or food industries. Each ACCUMOST Monoblock system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy to use system with a simple and intuitive touch screen display.

Volumetric piston or peristaltic filling configurations are available to specifically fit your application. The robust capping unit can accommodate threaded caps of a variety of materials, diameters, and heights.

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- Tooling for one bottle and cap
- 316L Stainless Steel Head Filling with 4 nozzle ports
- Vibratory sorter bowl for transition of caps for placement on bottle
- PLC Touch screen with HMI interface for easy setup and monitoring
- Motorizing system for the movements of various groups
- 16 positions star-wheel with intermittent movement. The Alternative movement of the star is made by an intermittent mechanical transmission. Bottle presence control in the star. If the presence of the bottle is not noticed the machine stops automatically
- Presence control of under-caps/caps/cover-caps on the bottle. If the control has a negative outcome, the machine stops. Alternatively the machine can reject the defective object
- All non-metal material will be designed for compatibility with customer's disinfectants
- FAT service included
- Optional pFMEA, SAT and IOQ available



## Technical Parameters

Model:	LiqCN-4MB
Length:	95"
Width:	65"
Height:	70"
Weight:	2,000 lb.
Filling Nozzles:	4
Capping Head:	1
Accuracy:	± 2%
Reject Rate:	Less than 0.1%
Electrical Requirements:	220V/50Hz (opt. 380V)
Air Requirements:	110 psi.
Range:	0-100mL
Output:	up to 35 CPM
Finish:	Stainless steel and plastics

# LiqCN-4MB Bottle Filler & Caps Monoblock



LiqCN-4MB Bottle Filling and Capping Monoblock is design to fill and cap plastic or glass bottles up to 35 cpm. With this Monoblock system, the manufacturing process is simplified by combining the bottle filler and capper into a single space-saving machine. This Monoblock machine is great for products in pharmaceutical or food industries. Each ACCUMOST Monoblock system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy to use system with a simple and intuitive touch screen display.

Volumetric piston or peristaltic filling configurations are available to specifically fit your application. The robust capping unit can accommodate threaded caps of a variety of materials, diameters, and heights.

## Features

- 316L Stainless Steel Head Filling with 4 nozzle ports
- Motorizing system for the movements of various groups
- 16 positions star-wheel with intermittent movement. The Alternative movement of the star is made by an intermittent mechanical transmission. Bottle presence control in the star. If the presence of the bottle is not noticed the machine stops automatically
- Presence control of under-caps/caps/cover-caps on the bottle. If the control has a negative outcome, the machine stops. Alternatively the machine can reject the defective object
- All non-metal material will be designed for compatibility with customer's disinfectants
- HMI CFR 21, Part 11 compliant; Audit Trail is viewable/exportable



## Technical Parameters

Model:	LiqCN-4MB
Length:	95"
Width:	65"
Height:	70"
Weight:	2,000 lb.
Filling Nozzles:	4
Capping Head:	1
Accuracy:	± 1.5%
Reject Rate:	Less than 0.2%
Electrical Requirements:	220V/50Hz (opt. 380V)
Air Requirements:	110 psi.
Range:	0-100mL
Output:	up to 35 CPM
Finish:	Stainless steel and plastics

# LiqCN-8MB Bottle Filler & Caps Monoblock



LiqCN-8MB Bottle Filling and Capping Monoblock is design to fill and cap plastic or glass bottles up to 80 cpm. With this Monoblock system, the manufacturing process is simplified by combining the bottle filler and capper into a single space-saving machine. This Monoblock machine is great for products in pharmaceutical and food industries. Each ACCUMOST Monoblock system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy to use system with a simple and intuitive touch screen

display.

Volumetric piston or peristaltic filling configurations are available to specifically fit your application. The robust capping unit can accommodate threaded caps of a variety of materials, diameters, and heights.

## Features

- Vibratory sorter bowl for transition of caps for placement on bottle
- PLC Touch screen with HMI interface for easy setup and monitoring
- Motorizing system for the movements of various groups
- 24 positions star-wheel with intermittent movement. The Alternative movement of the star is made by an intermittent mechanical transmission. Bottle presence control in the star. If the presence of the bottle is not noticed the machine stops automatically.
- Presence control of under-caps/caps/cover-caps on the bottle. If the control has a negative outcome, the machine stops. Alternatively the machine can reject the defective object.
- All non-metal material will be designed for compatibility with customer's disinfectants.
- Hopper or bowl mounting with ergonomic design for single person operation
- Capable of assigning user rights to a group; user access matrix available
- HMI CFR 21, Part 11 compliant; Audit Trail is viewable/exportable



## Technical Parameters

Model:	LiqCN-8MB
Length:	135"
Width:	65"
Height:	70"
Weight:	2,600 lb.
Filling Nozzles:	8
Capping Head:	2
Accuracy:	± 1.5%
Reject Rate:	Less than 0.2%
Electrical Requirements:	220V/50Hz (opt. 380V)
Air Requirements:	110 psi.
Range:	0-100mL
Output:	up to 80 CPM
Finish:	Stainless steel and plastics

# LiqCN-12MA Bottle Filler & Caps Monoblock



LiqCN-12MA Bottle Filling and Capping Monoblock is designed to fill and cap 10mL plastic or glass bottles up to 350 cpm. With this Monoblock system, the manufacturing process is simplified by combining the bottle filler and capper into a single space-saving machine. This Monoblock machine is great for products in pharmaceutical and food industries. Each ACCUMOST Monoblock system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy to use system with a simple and intuitive touch screen display.

Volumetric piston or peristaltic filling configurations are available to specifically fit your application. The robust capping unit can accommodate caps of a variety of materials, diameters, and heights.

## threaded Features

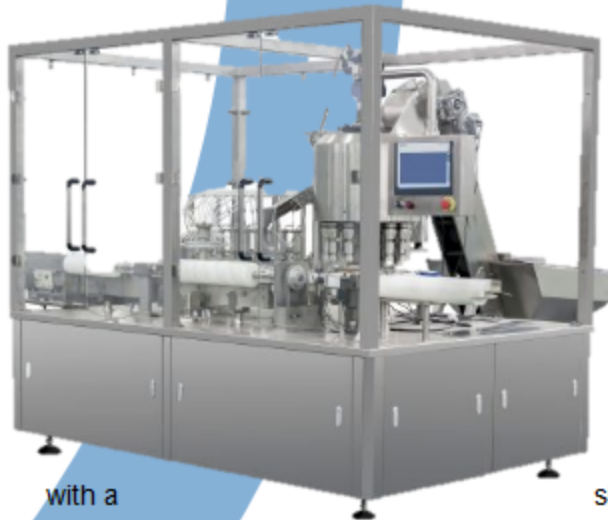
- 304 Sanitary Stainless Steel frame configured to project specifications
- Tooling for one bottle and cap
- 316L Stainless Steel Head Filling with 12 nozzle ports and 12 capping heads
- Straight through, side mount filling nozzle
- Vibratory sorter bowl for transition of caps for placement on bottles
- PLC Touch screen with HMI interface for easy recipe setup and monitoring
- Motorizing system for the movements of various groups
- 48 positions star-wheel with intermittent movement. The Alternative movement of the star is made by an intermittent mechanical transmission. Bottle presence control in the star. If the presence of the bottle is not noticed the machine stops automatically.
- Presence control of caps on the vial. If the control has a negative outcome, the machine stops. Alternatively the machine can reject the defective object.
- All non-metal material will be designed for compatibility with customer's disinfectants.
- Hopper or bowl mounting with ergonomic design for single person operation



## Technical Parameters

Model:	LiqCN-12MA
Length:	140"
Width:	55"
Height:	60"
Weight:	4,400 lb.
Filling Nozzles:	12
Capping Head:	12
Accuracy:	± 1.5%
Reject Rate:	Less than 0.2%
Electrical Requirements:	380V/60Hz
Air Requirements:	110 psi.
Range:	0-10mL
Output:	up to 350 CPM
Finish:	Stainless steel and plastics

# LiqCN-12MB Bottle Filler & Caps Monoblock



LiqCN-12MB Bottle Filling and Capping Monoblock is designed to fill and cap 10mL plastic or glass bottles up to 350 cpm. With this Monoblock system, the manufacturing process is simplified by combining the bottle filler and capper into a single space-saving machine. This Monoblock machine is great for products in food, cosmetic, or chemical industries by providing competitive pricing without compromising on the product quality. Each ACCUMOST Monoblock system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy to use system with a simple and intuitive touch screen display.

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Volumetric piston or peristaltic filling configurations are available to specifically fit your application. The robust capping unit can accommodate threaded caps of a variety of materials, diameters, and heights.

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- Tooling for one bottle and cap
- 316L Stainless Steel Head Filling with 12 nozzle ports and 12 capping heads
- Straight through, side mount filling nozzle
- Vibratory sorter bowl for transition of caps for placement on bottles
- PLC Touch screen with HMI interface for easy recipe setup and monitoring
- Motorizing system for the movements of various groups



## Technical Parameters

Model:	LiqCN-12MB
Length:	140"
Width:	55"
Height:	140"
Weight:	55"
Filling Nozzles:	12
Capping Head:	12
Accuracy:	± 2%
Reject Rate:	Less than 0.1%
Electrical Requirements:	380V/60Hz
Air Requirements:	110 psi.
Range:	0-10mL
Output:	up to 350 CPM
Finish:	Stainless steel and plastics

# LiqCN-50CH Bottle Filler & Caps Monoblock



The LiqCN-50CH filling and capping machine is a new generation product developed by our company based on years of experience in producing similar products and incorporating feedback from numerous customers'

needs. This machine is suitable for industries such as pharmaceuticals, food, and chemicals, and is designed for low viscosity materials. The entire control system of the machine applies programmable control technology and utilizes a human-machine page for operation. It features a compact structure, easy operation, and stable performance.

## Features

- Developed based on years of experience and customer feedback, making it a reliable option
- Suitable for industries such as pharmaceuticals, food, and chemicals, and designed for low viscosity materials
- Utilizes programmable control technology and a human-machine page for easy operation
- Features a compact structure and stable performance
- Performs automatic filling, capping, and screw capping with PLC control, including functions such as no bottle no filling and no cap no capping
- Can detect missing caps and reject defective products

Operates through a simple process of bottle detection, filling, capping, screw capping, and conveyor belt transportation.



## Technical Parameters

Model:	LiqCN-50CH
Power:	1.5kW
Production capacity:	20-30 p/min
Power supply:	220V 50Hz
Compressed air:	0.5-0.6 MPa
Max. filling volume:	30ml
Filling accuracy:	$\leq \pm 1\%$
Dimensions:	2400*1600*1600
Weight:	500kg

# LiqCN-1S Powder Filler

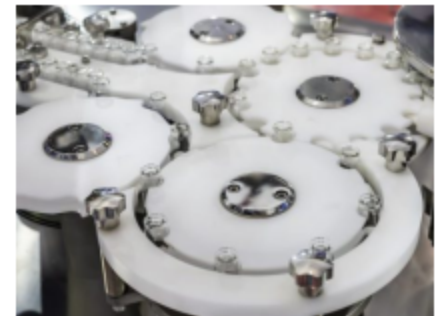
LiqCN-1S Powder Filling Machine is designed to fill dry products, powders, and granules up to 30 cpm. This machine will facilitate volumetric filling of dry, free-flowing products that carry non-cohesive particles and allows for easy cleanup, simple maintenance, and rapid changeover. Each machine is based on an adjustable heavy-duty stainless steel frame with all contact parts made of food grade materials.

A servo controlled auger switch inside the machine dispenses your products with a rotating motion. The fillers accuracy ( $\pm 5\%$ ) is ensured by the servo controlled auger sophisticated PLC based touch screen control system.

Available in both semi-automatic and full automatic configurations. The machine can be interfaced with additional groups used for unscrambling, feeding and closing the caps defined in the client's URS through specific equipping.

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- 316L Stainless Steel Head Filling with 1 nozzle port
- PLC Touch screen with HMI interface for easy setup and monitoring
- Motorizing system for the movements of various groups
- Hopper or bowl mounting with ergonomic design for single person operation
- Capable of assigning user rights to a group. User access matrix available
- FAT service included



## Technical Parameters

Model:	LiqCN-1S
Length:	95"
Width:	65"
Height:	70"
Weight:	1,400 lb.
Filling Nozzles:	1
Cap Placer:	1
Cap Closing Head:	1
Accuracy:	$\pm 5\%$
Reject Rate:	Less than 0.1%
Electrical Requirements:	220V/50Hz (opt. 380V)
Air Requirements:	85 psi. @8 cfm
Range:	0-1,000g
Output:	up to 150 CPM
Finish:	Stainless steel and plastics

# LiqCN-1SA Powder Filler

liqCN-1SA Powder Filling Machine is designed to fill dry products, powders, and granules up to 30 cpm. This machine will facilitate volumetric filling of dry, free-flowing products that carry non-cohesive particles and allows for easy cleanup, simple maintenance, and rapid changeover. Each machine is based on an adjustable heavy-duty stainless steel frame with all contact parts made of food grade materials.

A servo controlled auger switch inside the machine dispenses your products with a rotating motion. The fillers accuracy ( $\pm 3\%$ ) is ensured by their sophisticated PLC based touch screen control system.

Available in both semi-automatic and full automatic machine can be interfaced with additional groups used for unscrambling, feeding and closing the caps defined in the client's URS through specific equipping.

configurations. The

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- 316L Stainless Steel Head Filling with 1 nozzle port
- PLC Touch screen with HMI interface for easy setup and monitoring
- Motorizing system for the movements of various groups
- C Frame Design. Can be added to your current conveyor
- Presence control of the infeed bottle. If the control has a negative outcome, the machine will not fill
- All non-metal material will be designed for compatibility with customer's disinfectants
- Hopper or bowl mounting with ergonomic design for single person operation
- Capable of assigning user rights to a group. User access matrix available
- HMI CFR 21, Part 11 compliant. Audit Trail is viewable/exportable
- FAT service included
- Optional pFMEA, SAT and IOQ available



## Technical Parameters

Model:	LiqCN-1SA
Length:	95"
Width:	65"
Height:	70"
Weight:	1,400 lb.
Filling Nozzles:	1
Cap Placer:	1
Cap Closing Head:	1
Accuracy:	$\pm 3\%$
Reject Rate:	Less than 1%
Electrical Requirements:	220V/50Hz (opt. 380V)
Air Requirements:	85 psi. @8 cfm
Range:	0-1,000g
Output:	up to 30 CPM
Finish:	Stainless steel and plastics



# LiqCN-2S Powder Filler



CLiqCN-2S Powder Filling Machine is designed to fill dry products, powders, and granules up to 60 cpm. This machine will facilitate volumetric filling of dry, free-flowing products that carry non-cohesive particles and allows for easy cleanup, simple maintenance, and rapid changeover. Each machine is based on an adjustable heavy-duty stainless steel frame with all contact parts made of food grade materials.

A servo controlled auger switch inside the machine dispenses your products with a rotating motion. The fillers accuracy ( $\pm 5\%$ ) is ensured by the servo controlled auger sophisticated PLC based touch screen control system.

Available in both semi-automatic and full automatic configurations. The machine can be interfaced with additional groups used

configurations.

for unscrambling, feeding and closing the caps defined in the client's URS through specific equipping.

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- 316L Stainless Steel Head Filling with 2 nozzle ports
- PLC Touch screen with HMI interface for easy setup and monitoring
- C Frame Design. Can be added to your current conveyor
- Presence control of the infeed bottle. If the control has a negative outcome, the machine will not fill
- All non-metal material will be designed for compatibility with customer's disinfectants.
- Hopper or bowl mounting with ergonomic design for single person operation
- Capable of assigning user rights to a group, user access matrix available
- Optional pFMEA, SAT and IOQ available



## Technical Parameters

Model:	LiqCN-2S
Length:	135"
Width:	65"
Height:	70"
Weight:	1,750 lb.
Filling Nozzles:	2
Cap Placer:	2
Cap Closing Head:	1
Accuracy:	$\pm 5\%$
Reject Rate:	Less than 0.1%
Electrical Requirements:	220V/50Hz (opt. 380V)
Air Requirements:	85 psi. @8 cfm
Range:	0-1,000g
Output:	up to 60 CPM
Finish:	Stainless steel and plastics

# LiqCN-2SA Powder Filler

LiqCN-2SA Powder Filling Machine is designed to fill dry products, powders, and granules up to 60 cpm. This machine will facilitate volumetric filling of dry, free-flowing products that carry non-cohesive particles and allows for easy cleanup, simple maintenance, and rapid changeover. Each machine is based on an adjustable heavy-duty stainless steel frame with all contact parts made of food grade materials.

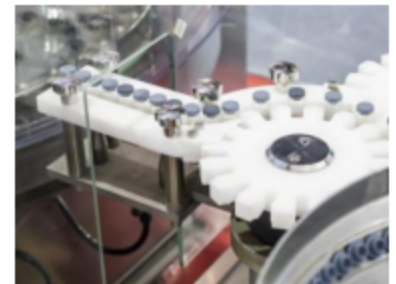
A servo controlled auger switch inside the machine dispenses your products with a rotating motion. The fillers accuracy ( $\pm 3\%$ ) is ensured by their sophisticated PLC based touch screen control system.

Available in both semi-automatic and full automatic machine can be interfaced with additional groups used for unscrambling, feeding and closing the caps defined in the client's URS through specific equipping.

configurations. The

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- 316L Stainless Steel Head Filling with 2 nozzle ports
- PLC Touch screen with HMI interface for easy setup and monitoring
- Motorizing system for the movements of various groups
- C Frame Design. Can be added to your current conveyor
- Presence control of the infeed bottle. If the control has a negative outcome, the machine will not fill
- All non-metal material will be designed for compatibility with customer's disinfectants.
- Hopper or bowl mounting with ergonomic design for single person operation
- Capable of assigning user rights to a group, user access matrix available
- HMI CFR 21, Part 11 compliant. Audit Trail is viewable/exportable
- FAT service included
- Optional pFMEA, SAT and IOQ available



## Technical Parameters

Model:	LiqCN-2SA
Length:	135"
Width:	65"
Height:	70"
Weight:	1,750 lb.
Filling Nozzles:	2
Cap Placer:	2
Cap Closing Head:	1
Accuracy:	$\pm 3\%$
Reject Rate:	Less than 1%
Electrical Requirements:	220V/50Hz (opt. 380V)
Air Requirements:	85 psi. @8 cfm
Range:	0-1,000g
Output:	up to 400 CPM
Finish:	Stainless steel and plastics

# LiqCN-10B Modular Filler

The LiqCN-10B Benchtop Modular Filling Machine is suitable for clinical trials and small batches where flexibility, high accuracy, and short change over times are essential. Both high accuracy rotary piston pumps and peristaltic filling systems for single use applications are available. Each module features a state of the art control system including touch screen HMI and PLC.

## Features

- Filling System for pre-filled syringes, vials and cartridges.
- High dosing accuracy with piston pump or peristaltic pump.
- PLC controls for each module and colored touch screen HMI.
- Stainless steel construction.

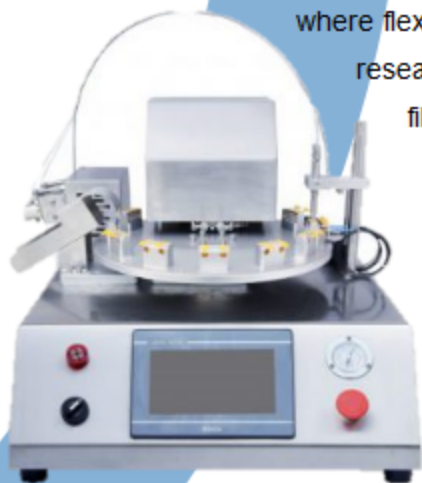


## Technical Parameters

Model:	LiqCN-10B
Length:	12"
Width:	5.5"
Height:	9"
Electrical Requirements:	220V/50Hz
Filling Nozzles:	1
Accuracy:	± 1%
Range:	0-10mL true solution
Output:	up to 30 CPM
Finish:	Stainless steel and plastics

# LiqCN-30B Benchtop EP Tube Filler & Capping

The LiqCN-30B Benchtop EP Tubing Filling and Capping Machine is suitable for clinical trials and small batches where flexibility, high accuracy, and short change over times are essential. Design for scientific research institute and commercial laboratory. Applied to precision quantitative EP tubing filling for pharmaceutical or biotechnology industry.



## Features

- Filling System for EP tubing filling and capping
- High dosing accuracy (0.5%) with ceramic plunger pump
- PLC controls for each module and colored touch

screen HMI

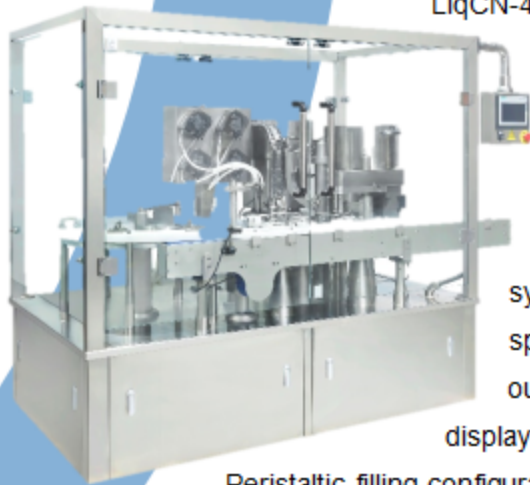
- Able to save recipe and batch data



## Technical Parameters

Model:	LiqCN-30B
Length:	540mm
Width:	574mm
Height:	432mm
Electrical Requirements:	220V/60Hz
Filling Nozzles:	2
Accuracy:	± 0.5%
Range:	Max. 25mL true solution
Output:	up to 50 CPM
Finish:	Stainless steel

# LiqCN-4V Serum Bottle Filler & Closing Monolithic



LiqCN-4V Vial Filling and Closing Monoblock is design to fill and close vials up to 40 cpm. With this Monoblock system, the manufacturing process is simplified by combining the bottle filler and capper into a single space-saving machine. The isolation barrier will work with laminar flow in a clean environment. This Monoblock machine is great for products in pharmaceutical and food industries. Each ACCUMOST Monoblock system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy to use system with a simple and intuitive touch screen display.

Peristaltic filling configuration is used to enhance easy clean and high accuracy. Tubing will be tested by ACCUMOST validation and technical service engineers based on your application to assure compatibility.

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- 316L Stainless Steel Head Filling with 4 nozzle ports
- Servo controlled stoppering head
- 16 positions star-wheel with intermittent movement. The Alternative movement the star is made by an intermittent mechanical transmission. Vial presence control the star. If the presence of the vial is not noticed the machine stops automatically.
- Presence control of stoppers on the vial. If the control has a negative outcome, machine stops. Alternatively the machine can reject the defective object.

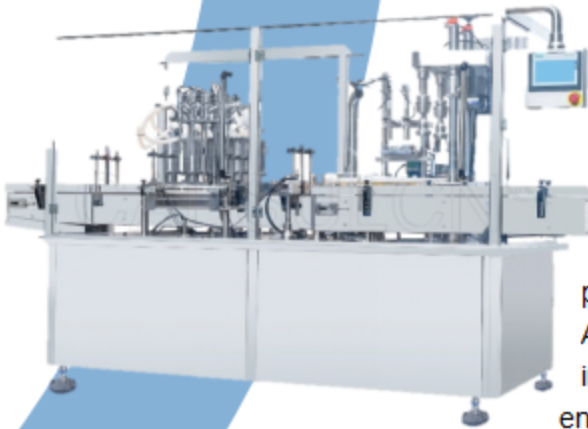


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## Technical Parameters

Model:	LiqCN-4V
Length:	80"
Width:	45"
Height:	70"
Weight:	1,750 lb.
Filling Nozzles:	4
Stopper Placer:	1
Closing Head:	1
Accuracy:	± 1.5%
Reject Rate:	Less than 0.2%
Electrical Requirements:	220V/50Hz (opt. 380V)
Air Requirements:	85 psi. @8 cfm
Range:	0-100mL
Output:	up to 40 CPM
Finish:	Stainless steel and plastics

# LiqCN-VBM Dropper & Nasal Spray Bottle Filler



The LiqCN-VMB automatic dropper bottle filling capping machine is designed for filling true solutions in small plastic or glass dropper bottles (10-150ml) up to 5,000 cpm.

With this Monoblock system, the manufacturing process is simplified by combining the bottle filler and capper into a single space-saving machine. The isolation barrier will work with laminar flow (LAF) in a clean environment. This Monoblock machine is great for products in pharmaceutical, food, cosmetic, or chemical industries. Each ACCUMOST Monoblock system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is equipped with a control

panel provided with a colored touch screen display, so the operator can managed the machine through the ACCUMOST operating system. The machine can be interfaced with additional groups used for unscrambling and feeding the bottles defined in the client's URS through specific equipping.

Peristaltic filling configuration is used to enhance easy clean and high precision. Engineering performance of tubing will be tested by ACCUMOST validation and technical service engineers based on your application.

## Features

- Presence control of tip/spray pump on the vial. If the control has a negative outcome, the machine stops. Alternatively the machine can reject the defective object
- Capable of assigning user rights to a group; user access matrix available
- HMI CFR 21, Part 11 compliant; Audit Trail is viewable/exportable



## Technical Parameters

Model:	LiqCN-VMB
Length:	100"
Width:	45"
Height:	70"
Weight:	2,200 lb.
Filling Nozzles:	4/8
Stopper Placer:	1/2
Closing Head:	1/2
Cap unscrambler and infeed conveyor:	1
Stopper unscrambler and infeed conveyor:	1
Accuracy:	± 1.5%
Reject Rate:	Less than 0.2%
Electrical Requirements:	220V/50Hz (opt. 380V)
Air Requirements:	110 psi.
Range:	0-100mL
Output:	up to 5,000 CPM
Finish:	Stainless steel and plastics

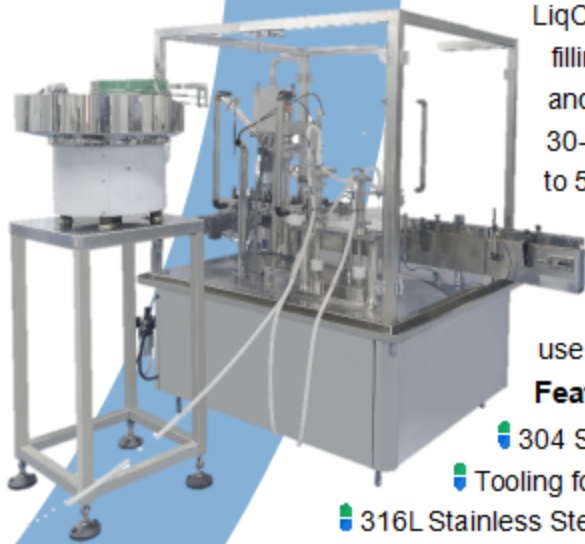
# LiqCN-VMB Dropper Bottle Filler

LiqCN-8 Series Piston Bottle Filling Machine is design to provide flexible filling capability for all your applications from light liquids to heavy creams and gels. Automatic models are available in three dispensing ranges: 30-100mL (up to 80 cpm), 100-500mL (up to 60 cpm) and 500-1,000mL (up to 50 cpm) with little additional change parts.

Each A-8 Series Piston Bottle Filling system is specifically constructed to the individual product specifications, space constraints, and production environment to maximize product output. It is an easy to use system with a simple and intuitive touch screen display.

## Features

- 304 Sanitary Stainless Steel frame configured to project specifications
- Tooling for one bottle and cap
- 316L Stainless Steel Head Filling with 2/4/8 nozzle



- ports
- Straight through, side mount filling nozzle
- PLC Touch screen with HMI interface for easy setup and monitoring
- Motorizing system for the movements of various groups
- Presence control of tip/spray pump on the vial. If the control has a negative outcome, the machine stops. Alternatively the machine can reject the defective object
- All non-metal material will be designed for compatibility with customer's disinfectants
- Hopper or bowl mounting with ergonomic design for single person operation
- Optional pFMEA, SAT and IOQ available

## Technical Parameters

Model:	LiqCN-VMB
Length:	100"
Width:	45"
Height:	70"
Weight:	2,200 lb.
Filling Nozzles:	8
Stopper Placer:	2
Closing Head:	2
Cap unscrambler and infeed conveyor:	1
Stopper unscrambler and infeed conveyor:	1
Accuracy:	± 2%
Reject Rate:	Less than 0.1%
Electrical Requirements:	220V/50Hz (opt. 380V)
Air Requirements:	110 psi.
Range:	0-100mL
Output:	up to 5,000 CPM
Finish:	Stainless steel and plastics



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