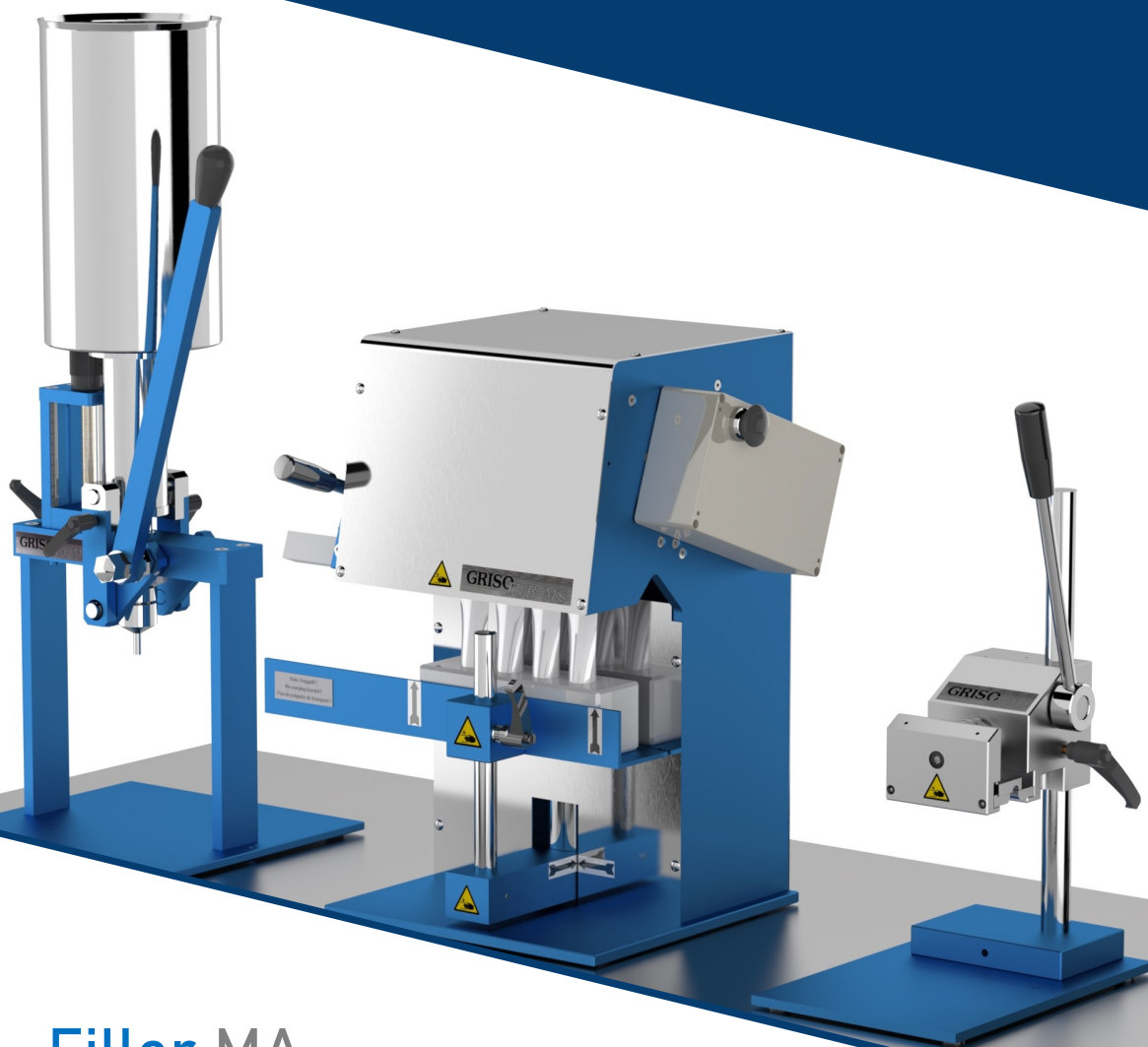


CroPharm

Solutions for Pharmaceutical and Nutraceutical



Filler MA

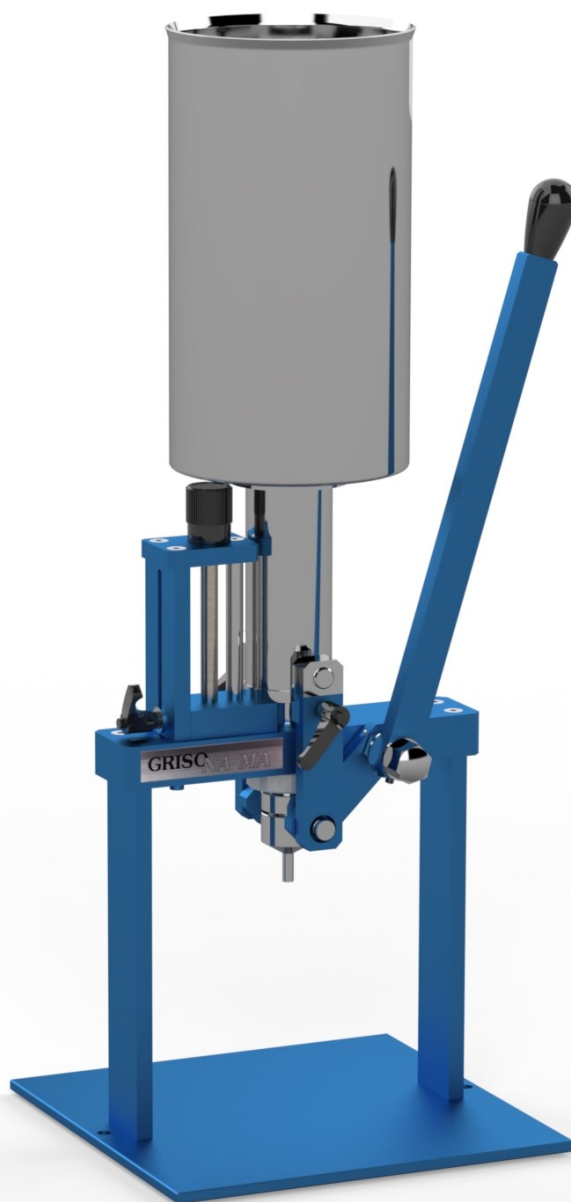
Filler STP

Liquid and Cream Fillers

www.cropharm.com

Filler Type MA

- For liquid or cream products. The compact, manually operated machine for filling high viscous products
- The **Filler MA** has been designed for universal use where liquid and cream products are to be dosed and filled accurately up to 100 ml.
- Parts in contact with Products are **FDA compliant** for food contact
- The Filler MA works on the principle of **volumetric filler** and is an improved further development of the worldwide patented PERPETUA pump system. Each stroke of the pump draws in an exact dose of product from the product hopper and discharges it through the filling nozzle into the container. Pasty products are filled into the product hopper and smoothed even. Afterwards a special pressure piston plate is pushed onto the product and the small air valve is closed. This simple construction allows safe operation and easy cleaning. All metal parts in contact with the product are made of high quality stainless steel and are resistant against almost all chemicals.

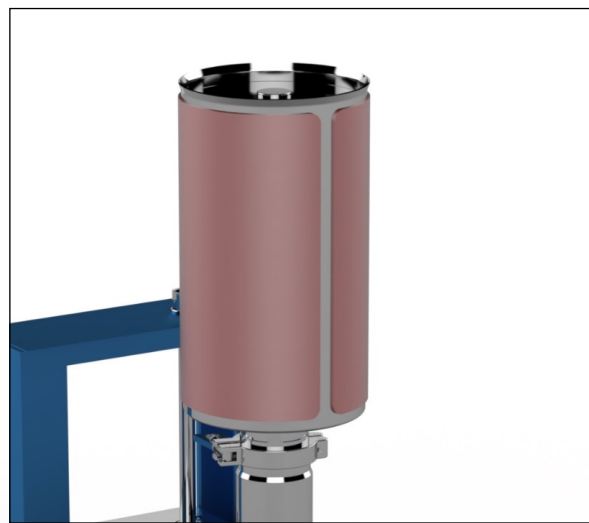


Technical Data			
Filling range	3 – 100ml		
Filling accuracy	range	3 – 10ml	+/- 1,0%
	range	10 – 100ml	+/- 0,5%
Product hopper	approx. 6 l		
Pressure piston plate	for pasty products (can be used as a cover when filling liquids)		
Filling nozzle	1 valve nozzle with 1 size part 8mm		
Dimensions	width	300mm	
	depth	300mm	
	height	800mm approx.	
Weight	approx.	14kg	
Container dimensions	height	160mm max.	
	width	220mm max.	
Output	up to 1000 fills per hour (the effective production rate depends onto the operator, viscosity of the product, container size and dosing volume)		
Accessories	the complete GRISONA nozzle program		

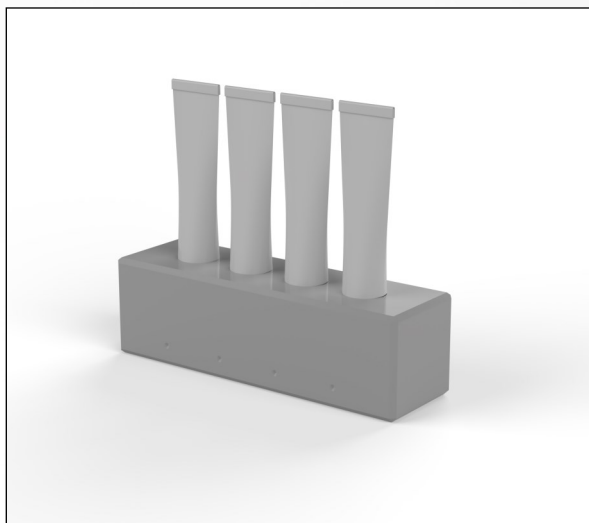
Filler Type MA



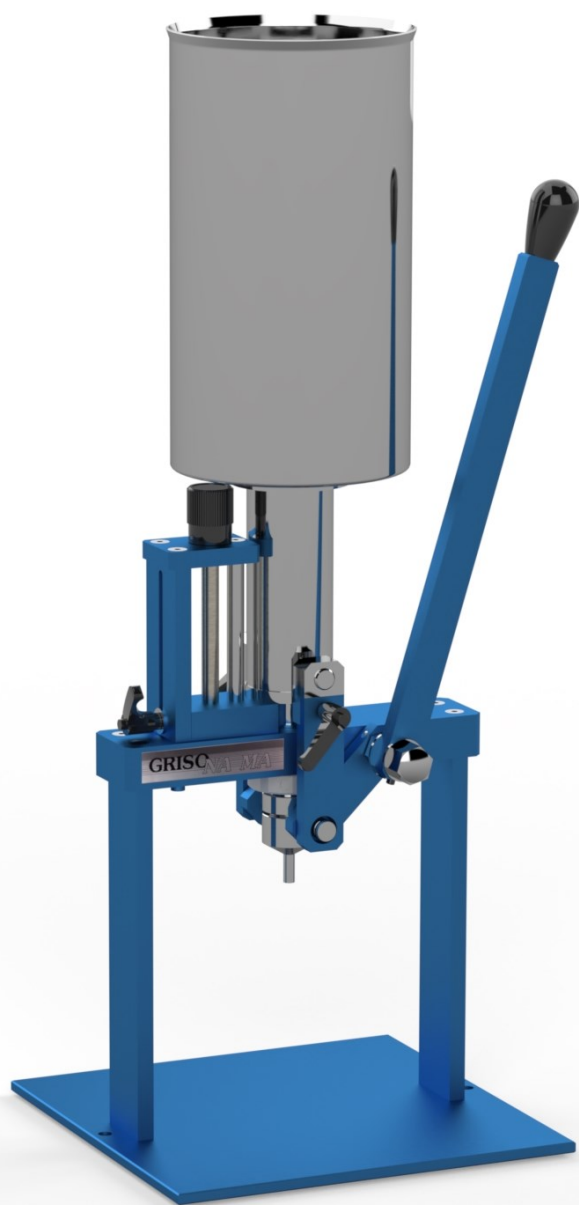
Filler MA with 12L Hopper



Heated Hopper Available

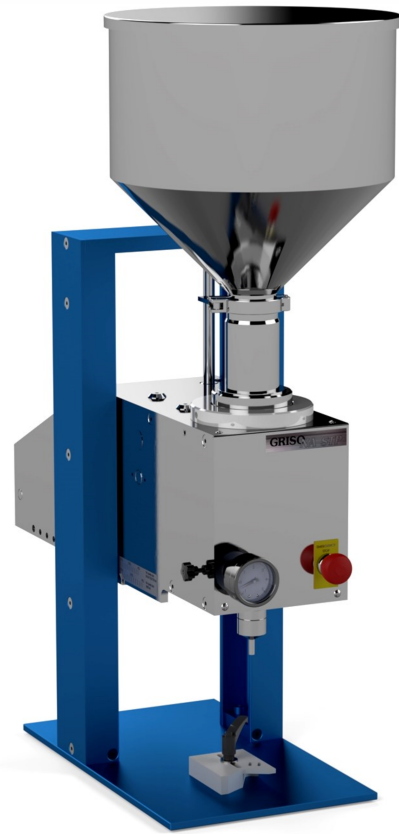


Custom Tube Holders



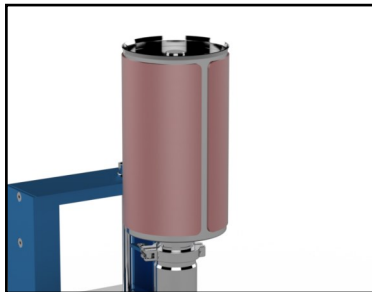
Filler Type STP

- For liquid or paste. Our modular approach is the easy and safe way to meet your filling needs
- Operation starts with push of the foot switch.
- The Off/On switch allows fill volume changes during machine stop
- Manual/Automatic switch allows selection either single cycle or continuous operation with variable cycle time
- Emergency Stop button automatically interrupts the fill cycle, and the pump returns to start position
- Pneumatically operated diving nozzles available
- Easily built into automatic filling lines
- The machine is supplied with a foot switch and container locator, which can be interfaced with fast-acting clutches if required. An indicator on the hand wheel permits fine adjustment of the fill volume.
- An optional pneumatic counter facilitates either multiple fills (volumes greater than 1000 ml) or a predetermined batch size.



Standard hoppers

A choice of 12, 26 or 50 liter capacities in polished stainless steel are available. They have quick release clamps and are fully interchangeable for all pump types. A cylindrical 6 liter hopper with pressure piston plate is available. Variable speed versions or versions



Heated hoppers

We offer our heated hopper, fitted with electronic controlled temperature regulation and designed in up to date heating foil technique. These hopper have the same volume as the standard versions.



Suction Pipe (only for liquid products)

Used for filling products from large containers (barrel, tank, etc.)

Filler Type STP

The STP is designed for a very wide range of applications. It is the optimum system for liquid and cream products requiring accurate filling. Today's STP is the result of many years of experience gained under production conditions and the practical development of proven engineering.

HOW THE STP WORKS

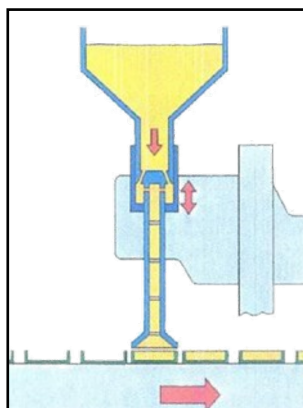
At the heart of the filling system is an interchangeable metering pump. It is the ultimate development of the patented PERPETUA pump. With each stroke the machine draws a preset amount of product from the hopper and discharges it through a special nozzle into the container below.

Capacity is 1800 fill cycles per hour. Due to its simple and reliable method of operation, high fill accuracy, ease maintenance cleaning, the Filler STP is the ideal filling machine for cosmetics, pharmaceuticals, chemicals and foodstuffs.

PRODUCT AND CONTAINERS

Machine can fill products that are either liquid or paste. Set for continuous filling

The STP will handle all types of containers from 0.8 to 1000ml, e.g. bottles, jars, tubes, etc. By selecting multiple fill it is possible to obtain greater volume. All components that come into contact with the fill product are either made of stainless steel or Teflon. The machine are built to withstand any type of product. The pumps could be sterilized.



With each stroke of the pump an accurately metered amount of product is drawn from the hopper and fed to the filling nozzle

SELECTING PUMP TYPE

Selection of the right type of pump is determined by the fill volume of your container.

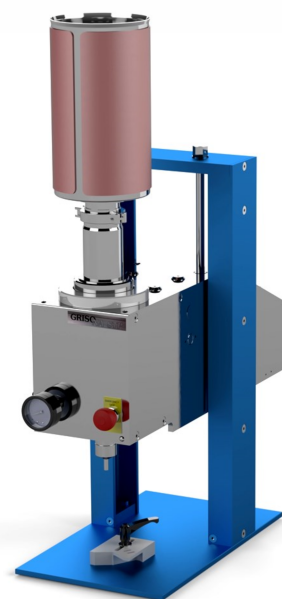
There are five different fill capacities to choose from

Fill capacity in ml	0,8 – 8	4 – 40	12 – 120	35 – 350	100 – 1000
Pump type	8	40	120	350	1000






All pumps repeat to $\pm 0.5\%$ of fill volume and are inspected and certificated before dispatch using water as a filling medium.

Material

All parts in direct contact with the filling product are made of stainless steel (V4A/1.4435/AISI 316L) respective high quality plastic PTFE and PETP



Filler Type STP THE RIGHT FILLING NOZZLE

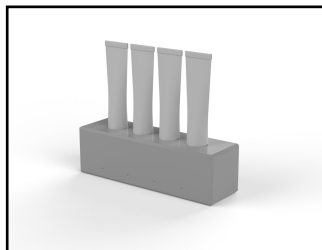
Valve nozzle	Smoothing nozzle	Spray nozzle	Tube filling nozzle	Twin nozzle
				
Consisting of the valve nozzle body and change parts with various size of filling nozzles for filling products into any type of container.	For the air free filling of jars, pots and tins with cream products With smoothing of the surface of the product (samples of the containers required with order)	For thicker liquids through to paste into pots, jars, tins and vertical filling of tubes	Horizontal for air free filling of tubes with paste (samples of the containers required with order)	Allows the - simultaneous filling of two containers by an accuracy of 0.5% (max. dosage volume is 50% of pump stroke)

RECOMMENDED ACCESSORIES



Agitator

If the fill product in the container has to be stirred or if you are filling pastes we can supply an electrically driven agitator for both the standard and the heated product hoppers. It can be switched on and off separately and runs at approx. 30 RPM. Variable Speed versions or versions for inflammable or explosive products are available



Multiple tube holders

If the tubes are to be closed on our GRISOTUB MS (metal tubes) or TUB PS (plastic tubes) we recommend that you use a multiple-tube holder.



Diving Nozzle TD

If you want to fill foaming products, we recommend the pneumatically driven diving nozzle TD. This unit can only be used in conjunction with the Comfort version.

Dimensions

- Length: 810 mm
- Width: 300-420 mm
- Height: 1330-1550mm
- Weight: 45-120 kg (type & accessory dependent)

Pneumatic requirements:

- Supply Pressure at 6 Bar.
- Air requirement for each fill cycle at 100% pump volume: 9-10 liters.



About Us

CroPharm is the successor of Chemical and Pharmaceutical Industry Co. Ramsey, NJ founded in 1956. We specialize in tablet dedusting and capsule polishing for pharmaceutical processing and production. CroPharm also offers solutions for tube filling, crimping, capsule filling, and tooling inspection. We offer engineering service, customization, and after sales support.



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