



**Marefa**  
**9 Head Rotary Filler**



Rotary filling machine, that works on a gravity filling principle. Able to handle a large variety of closures with a maximum of 90 Bpm, depending on the viscosity of the product, and closures size and type

## FEATURES

- PLC controlled machine with electronically variable speed control.
- Control panel in front of machine with display for error readings and fault analysis.
- Rigid stainless steel welded base with NO bearings exposed.
- NO mild steel base with stainless steel cladding.
- “Easy-to-access” grease manifold distribute grease to all rotating parts underneath machine.
- Filling bowl and capping section jacks with ACME thread for better life span (same as used in vices).
- Filling bowl with knuckled radius for ease of cleaning, for hygienic purposes.
- Pneumatic product level control in tank.
- Low viscosity level filling.
- High viscosity level filling. (SA Patent)
- “Anti-splash” valve attachment to prevent spillage. (SA Patent)
- Pneumatically actuated product inlet valve
- Vertical capping head with stainless steel bolt on chute. (SA Patent), If “on the fly” capping is requested.
- Adjustable Vertical cap un-scrambler, to accommodate more than one cap of similar size.
- Low level cap sensor, stops machine to reduce losses.
- Bottle sensing for accurate cap placements on “Pick & Place” capping.
- “No bottle, no cap” sensors to eliminate waste of caps, with “Pick & Place” capping.
- Cap ejecting system on capping chucks to reduce capping problems (applicable to pick & place capping only).
- Spring loaded capping chucks with constant resistant clutch, running on stainless steel bearings, with no wearing parts.
- Rapid release star wheel attachment, for quick bottle change overs (SA Patent)
- Change parts and outer guide secured with rapid release mechanism. (SA Patent)
- Neck guides assist smaller containers for smooth transfers through and out of filling area.
- Full safety guarding, with safety switches on doors and panels to shut down machine if opened while running.

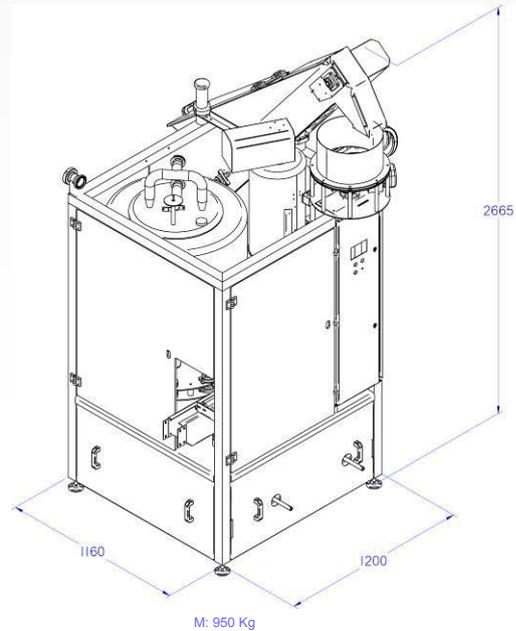
## TECHNICAL INFORMATION

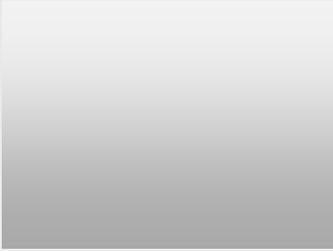
Electrical supply: 380V three phase + neutral and earth.  
Air consumption: 250lt/min@6bar

### FILLING SPEEDS – Ø26mm valve

MACHINE	FILLING/CAPPING RATIO		FILLER SPEEDS - METRIC BOTTLES PER MINUTE			
	Filling	Capping	500ML	1LT	1.5LT	2LT
LS	9	3	90	62	57	53

NOTE: Filling speeds may vary as they are subject to bottle design, product viscosity and foaming characteristics.





## Machine Options:

- Base handling machine for HDPE bottles with change parts.
- Base handling machine for PET bottles with change parts.

## Options Summary:

- Base handling for HDPE & PET / Neck handling for PET only
- Neck handling with base in-feed or neck in-feed solution
- Low product viscosity gravity filling valves / High product viscosity gravity valves
- Pick & Place capping / On the fly capping
- Floor / Chassis mounted Elevator
- Vacuum assisted filling. (Optional)
- 316 Stainless steel contact parts. (Optional)
- Manual CIP system (Optional)
- Motorized capping. (Optional)
- Horizontal or vertical cap un-scrambler.

## Supporting Solutions:

- Conveying (Accumulation, Bottle and belt rinsing, Bottle silo, De-bagging, conveyor Canopies)
- Cap elevators (Floor / Chassis mounted)
- Labeling (Gate, wrap around, patch, back to back)