

Rotary Viscos Liquids Filling Machine

High speed viscose liquids filling machine

Widder Industrial group's packaging / Bottled up machinery is the result of practical experiences following of unique, specific & special rolls and industrial standards and also using of non-stop R&D policy in manufacturing of updated, tough & high performance machinery.

Widder Ind'l. group viscose liquids filling machine consists of 8 to 12 stainless steel cylinders whose capacity could be up to 1.5 liters. They have been mounted on a stainless steel two ways valve. All parts mentioned above have been installed around a stainless steel tank with capacity of 65 to 130 liters. The Filling nozzles are installed under the valves. All mounted on a heavy duty chassis synchronously working together providing output from 4000 up to 7000- bph.

Main Features:

- The conveyor chain moves empty bottles smoothly to the inlet star and get deliver filled bottles from outlet star of filling machine under polling pressure of its driving system. Conveyor's chain width defers with bottles diameter from 80mm up to 190mm.
- Referring to the machine model, 8/12 stainless steel Which suck in the filling liquid from tank and inject it into the bottles through Nozzles in each cycling period of filling machine.
- Adjusting of machine for deferent heights of bottles could be done easily by turning a handle which has installed inside the machine basement cabinet.
- Adjustment of filling liquid Volume or liquid height inside of bottles could be done easily and precisely by turning a screw jack which changes the pistons rail slant.
- The bottle handling system Consists of two inlet & outlet stars and related guiding part which can be changed by appropriate size part so easily.

The machine driving system is a combination of appropriate 3 phase electromotor which equipped directly with a well-chosen reducing unit.

- The electric driving and controlling parts as well as an electronic inverter are mounted inside a box which is installed inside the basement cabinet.

- All components and parts mentioned above have been installed on a stainless steel basement heavy duty cabinet.



Rotary viscos filler front view



Adjustable pistons rail



Bottle handling system



Stainless steel 2 way Valves



stainless steel cylinders & two ways valve & tank

Technical Descriptions of Widder's viscose Liquids, Filling & Capping Machines

Description	Rotary Di-block	Linear Mono-block
Volume of Containers	150-1500 ml	150-5000 ml
Min & Max Containers height	50-300 mm	50-350 mm
Container base	Rectangular, circular and oval	Rectangular, circular and oval
Nominal Output	4000 bph- 1.5 Lit	1400 bph- 1Lit
Sensors Type	Reflex / proximity	Reflex / proximity
Timing System of Bottles	yes	yes
Power of servo motor	-	66NM
Power of Three-phase electric engine	2.2-1.8-0.25 KW	0.37 KW
Electric engines Brand	.Motovario, Siemens, A.B.B	.Motovario, Siemens, A.B.B
Reducer Brand	Motovario/ Italy	Motovario/ Italy
Electronic inverter	Three-phase inverter/Techo	Three-phase inverter/Techo
Interface	LCD. Touch screen	LCD. Touch screen
Controller	Microcontroller	Microcontroller
Power supply	Switching	Switching
Main voltage	380 V AC. 50 Hz.	380 V AC. 50 Hz.
Power consumption	25 A	8 A
Conveyor & Cabin material	Stainless steel /304	Stainless steel /304
Conveyor Length	3500 mm	3000 mm
Conveyor Height	1100 mm+-100	1100 mm+-100
Conveyor chain material	Stainless steel/316 or Acetyl resin	Stainless steel/316 or Acetyl resin
Nozzles movement system	Rotary movement	Servo motor
Number of nozzles	8	4-6-8
Capping system	Rotary 4 Heads	N/A
Cap hopper , Auto capper & Sorting system	yes	N/A
Capping heads method	Magnetic clutch	N/A
Cap material	Plastic	-
Cabin dimensions LxWxH	260x130x85Cm	147x100x85Cm
Machine weight	3000 Kg.	700 Kg.