

Automatic Rotary Rinsing, Filling & Capping Machine DRFC-series



RFC series machine is a fully automatic multi functional combined machine integrating washing, filling and capping into single body. This machine is equipped with advanced man-machine interfacial control technology with all necessary automations. It works on hanging neck holding method. Hence, very convenient bottle changeover. Versatile machine to pack mineral water as well as other beverages like fruit juice, square etc. which are filled at higher temperature by changing some parts.

Salient Features:

- Rotary neck holding.
- Air Blow Conveyor on the in feed.
- Slat Belt Conveyor on the out feed with the AC Drive and Inspection Table with lighting system & white-black background.
- No Bottle - No Rinse - No Fill - No Cap.
- Unique Pick & Place type Capping.
- Drive is on chain of gears (Not Indexing Cam) hence low on maintenance.
- Speed Control by AC Drive.
- Cap Elevator for feeding cap to the chute with automatic operation.
- Speed indicator on main panel.
- Can handle all bottle size ranging from 200 up to 2000 ml.
- Capping done by "Torque Adjustable" magnetic capping heads using two stage Pick & Place system.
- Stainless Steel enclosure provided for complete hygienic bottling.
- Easy open able nozzles for easy cleaning.
- Can handle bottles blown from low grammage Performs without distortion.
- Can be linked directly to Automatic Blow Molding Machine for online Blow- Rinse-Fill-Seal.
- Compatible with Online Shrink Tunnel, Labeling Machine or Ink Jet Printer.

Specifications:

TECHNICAL SPECIFICATION					
Model	DRFC-60	DRFC-100	DRFC-150	DRFC-200	DRFC-300
No. of Head	16-12-2006	18-18-6	24-24-8	32-32-10	40-40-12
Capacity @ 1000 ml.	2700 BPH	4100 BPH	5400 BPH	7200 BPH	9000 BPH
Water Pressure	0.2 ~ 0.25 Mpa	0.2 ~ 0.25 Mpa	0.2 ~ 0.25 Mpa	0.2 ~ 0.25 Mpa	0.2 ~ 0.25 Mpa
Rinsing Water Consumption	800 Kg./hr.	1600 Kg./hr.	2500 Kg./hr.	3500 Kg./hr.	4000 Kg./hr.
Compressed Air Pressure	6 to 8 Bar	6 to 8 Bar	6 to 8 Bar	6 to 8 Bar	6 to 8 Bar
Compressed Air Consumption	0.25 m3/min	0.3 m3/min	0.4 m3/min	0.5 m3/min	0.55 m3/min
Power Consumption	4.23 KW	5.03 KW	6.57 KW	8.63 KW	9.63 KW
Weight	2500 Kgs.	3500 Kgs.	5500 Kgs.	8000 Kgs.	10000 Kgs.
Bottle size range	200 to 2000 ml.	200 to 2000 ml.	200 to 2000 ml.	200 to 2000 ml.	200 to 2000 ml.