



Series VF Romaco Macofar

The Romaco Macofar VF Series is the ideal solution for filling vials with liquid parenteral drugs in advanced aseptic conditions and is suitable for liquid or lyophilized products. The machines, due to their compact, modular and versatile design are easily integrated into any line configuration; such as center room, through wall, connection to downstream capping machine, to a tray-loader or to a freeze-dryer automatic loading system.

Vials are positively conveyed throughout all process stations. The machines are extremely easy to clean and allow quick removal and repeatable assembly of size parts for change-over and sanitization operations. An automatic lateral adjustment of the linear transport system according to vials diameter is provided to minimize change-over time.

Highlights

- Mechanical construction aimed at achieving high SAL (Sterility Assurance Level)
- Flexible, repeatable and accurate operations thanks to the use of brushless motors
- Comfortable accessibility to 'white' and 'grey' areas
- Easy cleanability of 'white area' surfaces
- Quick and easy removal/assembly of product contact parts
- Very quick and repeatable semi-automated size parts change-over with minimum manual interventions
- High filling accuracy
- Highly suitable for equipping the machine with an Isolator or a RABS (Restricted Access Barrier System);
- Access to the 'grey area' for maintenance from a technical room if the machine is installed through-the-wall
- Ideal for wash-down cleaning
- Advanced in-line process control systems

Technical Data	VF 12	VF 18	VF 24
Vials diameter, in mm	16 – 52		
Vials height, in mm	35 – 110		
Filling volume, in ml	0.5 – 100		
Stoppers	for liquid and lyophilized injectable products		
Max output rate, in vials/h	12,000	18,000	24,000
Number of filling pumps	4	6	8
Installed power, in kVA	Approx 17 + 1.5 (Laminar Air Flow Modules)	Approx 17 + 1.5 (Laminar Air Flow Modules)	Approx 17 + 1.5 (Laminar Air Flow Modules)
Compressed air consumption, in NI/min	40		
Compressed air pressure, in bar	6		

