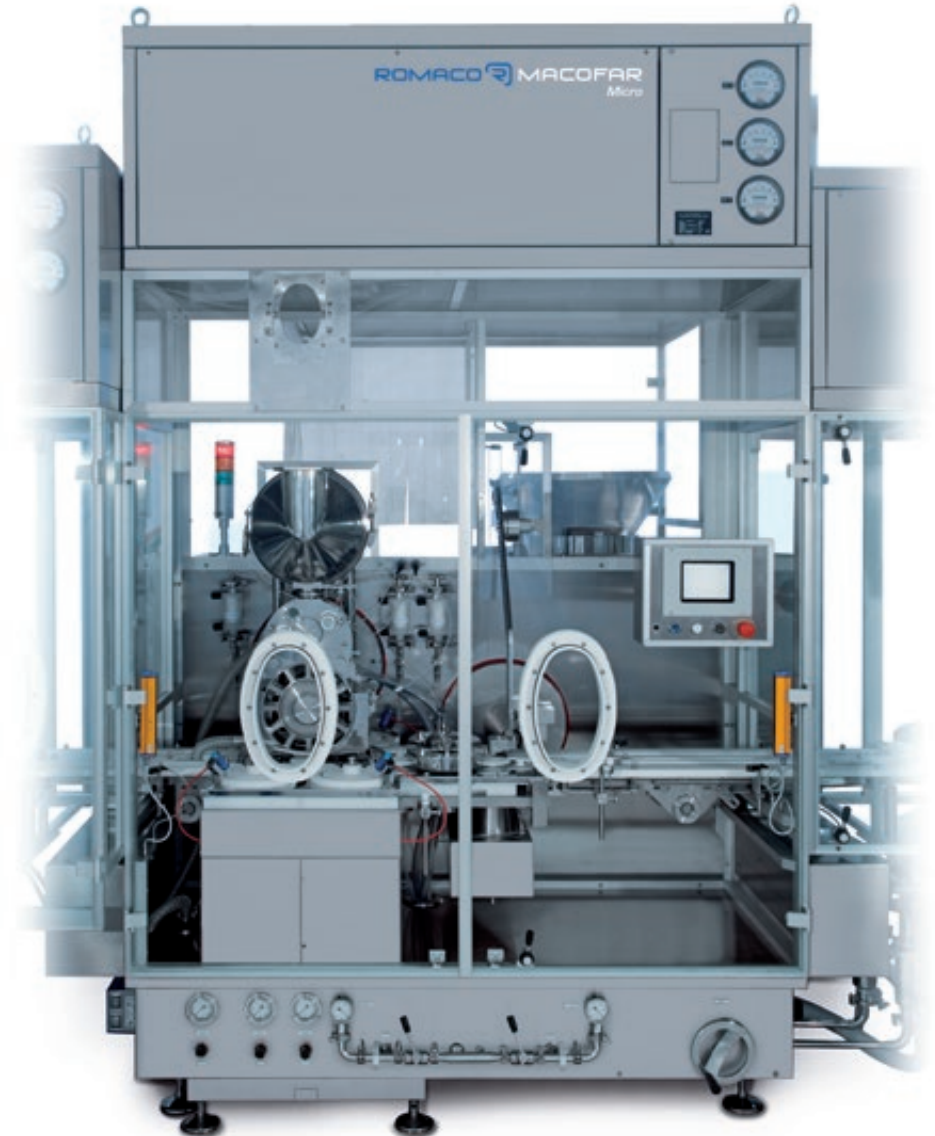


Series Micro 9 / 18 Romaco Macofar

The Romaco Macofar Micro 9 and 18 are machines suitable for filling sterile pharmaceutical powders into vials under aseptic conditions. The Micro range of intermittent motion machines offers mechanical speeds ranging from 9,000 to 18,000 vials per hour. They are renowned for their reliable performance in aseptic lines for dosing sterile powders into round glass vials sealed with rubber stoppers. Designed for cGMP compliance, due to their balcony design, the Micro machines are recognized worldwide as leading powder microdosing machines, carrying on the decades of Macofar tradition.

Highlights

- Simple, fast and repeatable changeover.
- Automatic height adjustment of filling and closing groups, no manual adjustments required.
- Product format data is recorded in an electronic database and can be recalled via the touch screen.
- Nitrogen flushing before, during and after filling
- Liquid filling group for media fill test
- Air drying unit to reach a controllable humidity percentage in the filling area.
- Vertical laminar flow over the dosing and stoppering stations with recycle



Technical Data	Micro 9	Micro 18	Micro 9 2D	Micro 18 2D
Speed up to – single dose (vials/hour)*	9,000	18,000	9,000	18,000
Vial dimensions diameter (mm), min.–max.	16–52	20–52	16–52	20–52
Vial dimensions height (mm), min.–max.	35–110	40–110	35–110	40–110
Minimum dose (mg)*	20 (no C.W.)	50 (no C.W.)	20 (no C.W.)	50 (no C.W.)
Maximum dose with single dose (mg)*	1,500			
Dosing disc	One single	One double	Two single	Two double
Dosing port per disc	12	12 + 12	12 & 12	12 + 12 & 12 + 12
Power consumption (kW)*	9 1.8 LAF 1.5 C.W.			
Compressed air for powder ejection (l/min)	70	120		
Vacuum pump (m ³ /h)	100			
PLC standard	SCHNEIDER			
Net weight (kg)*	2,000	2,100	2,000	2,100
Gross weight (kg)*	2,300	2,400	2,300	2,400

* Depending on product and machine configuration

