



Romaco Innojet VENTILUS®

Production Scale Series

The production scale systems in the Romaco Innojet VENTILUS® series are designed for batch sizes from 40 to 1,600 litres. The technology is utilised in the pharmaceutical, food and chemical industries.

Highlights

- VENTILUS® LE-D: for drying processes (optionally in combination with high-shear mixer)
- VENTILUS® LE-G: for granulation processes
- VENTILUS® LE-C: for granulation and coating processes
- VENTILUS® Premium: «all-in-one» system with slide-out nozzle support, allowing spray nozzle changes without interrupting the process
- Modular upgrade from a VENTILUS® LE-D dryer to a VENTILUS® LE-G granulator is a simple matter
- Larger batch volumes or modifications on request
- WIP – washing in place: product-contacted parts inside the system are cleaned automatically
- Strictly hygienic design of the interior speeds up cleaning
- Special design of the ORBITER booster and the restriction to a single ROTOJET spray nozzle enable significantly shorter cleaning time after each batch
- Filters washed in place as part of pre-cleaning after the process
- Filters also available in a stainless steel CIP (cleaning in place) version
- Inner cores and seals of the complete process filter are cleaned during washing
- Small number of inflatable seals

Technical data	V 100	V 200	V 300	V 400	V 600	V 800	V 1000	V 1200	V 1600
Max. batch size (kg, at 1g/cm ³) Premium and LE-C	100	200	300	400	600	800	1,000	1,200	1,600
Max. batch size (kg, at 0.5g/cm ³) LE-D and LE-G	50	100	150	200	300	400	500	600	800
Min. batch size (kg, at 1g/cm ³) Premium and LE-C	40	80	120	160	240	320	400	480	640
Min. batch size (kg, at 0.5g/cm ³) LE-D and LE-G	20	40	60	80	120	160	200	240	320
Product container inside ø = booster ø (mm)	650	800	950	1,100	1,200	1,350	1,500	1,600	1,800
Air quantity (m ³ /h) Premium and LE-C	2,200	3,200	4,200	5,500	6,500	8,500	10,000	12,000	15,000
Air quantity (m ³ /h) LE-D and LE-G	1,200	1,800	2,300	3,000	4,000	5,000	6,000	8,000	9,000
Spray air quantity (Nm ³ /h at 3.0 bar spray pressure)	150	250	250	400	400	500	500	600	600
Steam pressure (barg/bar)	3.5 (4.5)								
Cooling water for dehumidification (glycol-free) (forward/return) (°C)	6/12								
Power consumption (KW)	32	44	65	70	85	100	115	135	170
Particle size min. (µm)	10								
Particle size max. (mm)	2								
Materials (product-contacted)	Stainless steel AISI 316I Borosilicate glass Filter media, plastic and seals FDA certified								
Pressure shock resistance (bar)	10								

Note: These batch and particle sizes can vary depending on the properties of the product.

