

The powder feeders of the VLP series are the best solution for the pneumatic conveyance of plastic materials in powder form. They can also be used for conveying food, pharmaceuticals and chemical products ensuring high hygienic standards. Ideal for free-flowing powders with particle sizes from 10 to 200 µm and bulk density from 0.35 to 1.8 kg/dm³.

These feeders can also be used for powders with smaller particle sizes by using special sintered filters.

Also available a version for Matrix centralized systems and a version with an external PD vacuum pump.



TECHNICAL SPECIFICATIONS:

- High-efficiency compressed-air vacuum pump.
- Butterfly outlet valve.
- ASTM 304 stainless steel container.
- Antistatic polyester self-cleaning filter.
- Modular and compact structure.
- Control unit for monitoring operation.
- Compressed-air regulating kit.
- Suction probe and pipe.
- Paddle level sensor.

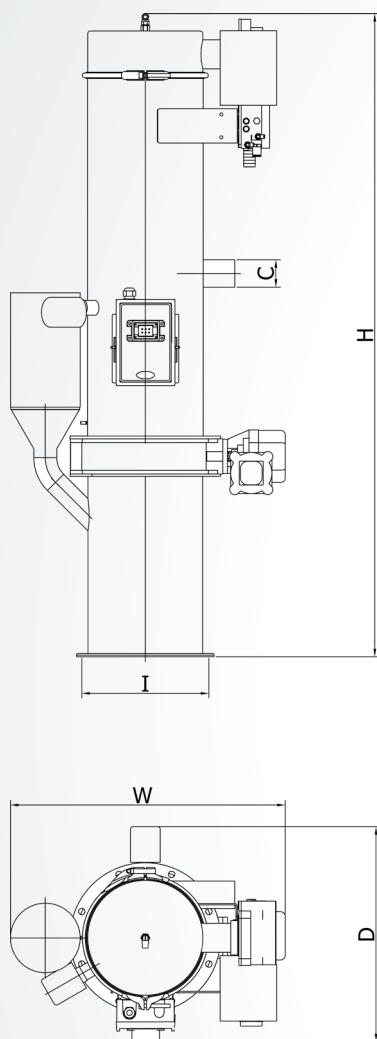
ACCESSORIES:

- Sintered filter for particle sizes 1-10 µm.

ADDED VALUE:

- **EASY TO INSTALL**
Thanks to its built-in pump, this feeder does not require vacuum pipes.
- **LOW ENERGY CONSUMPTION**
A special Venturi modular system ensures high airflow rates and high vacuums using a low quantity of compressed air.
- **FAST CLEANING**
No need of tools: a fast clamping system keeps the parts together.
- **LOW NOISE.**

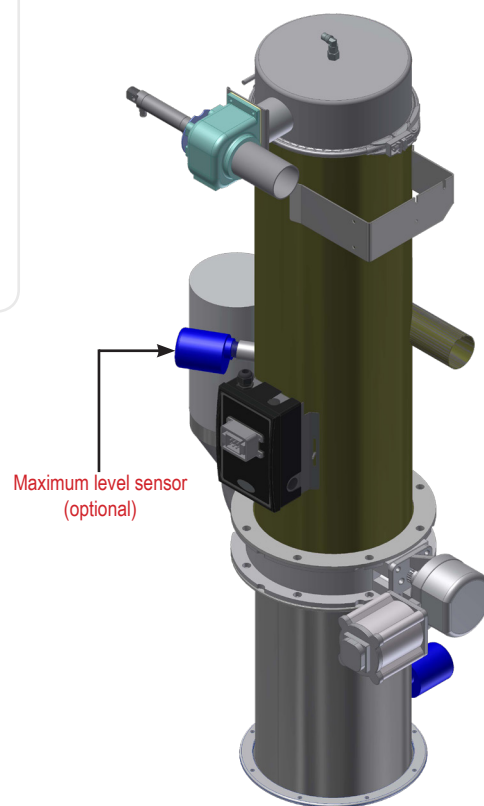
Powder feeders



Pleated filter



Sintered filter (optional)



Version with an external pump
VLPM / VLPD

| TECHNICAL DATA | | VLP10 | VLP20 | | Three-phase hopper loader | | Centralized loader | |
|-------------------------------|-------|--------------|--------------|--|---------------------------|------------------|--------------------|------------------|
| | | | | | | VLPM10 VLPM10 | | VLPM20 VLPM20 |
| Suction capacity | kg/h | 300* | 600* | | | 300* | | 600* |
| Pump capacity (at 200 mbar) | m³/h | 80-100 | 120-180 | | PD3 | 80-100 | PD5 | 120-180 |
| Batch volume | l | 10 | 20 | | | 10 | | 20 |
| Supply pressure | bar | 4-6 | 4-6 | | | 4-6 | | 4-6 |
| Compressed-air consumption | NI/s | 10-14 | 20-28 | | | 0.5 | | 0.5 |
| Maximum vacuum | mbar | 400 | 400 | | PD3 | 250 | PD5 | 400 |
| Noise level | dB(A) | <80 | <80 | | | <80 | | <80 |
| Material inlet (C) | mm | 50 | 60 | | | 50 | | 60 |
| Centre-to-centre distance (I) | mm | 280 | 280 | | | 280 | | 280 |
| Voltage/Frequency | V/Hz | 230/50-60 | 230/50-60 | | | 24DC 230/50-60 | | 24DC 230/50-60 |
| Dimensions WxDxH | mm | 590x470x1180 | 590x470x1400 | | | 590x470x1180 | | 590x470x1400 |
| Weight | kg | 35 | 40 | | | 33 | | 38 |

* Approximate value that depends on the type of powder and particle size.