



Systems and Solutions for the hygienic and safe handling of powders

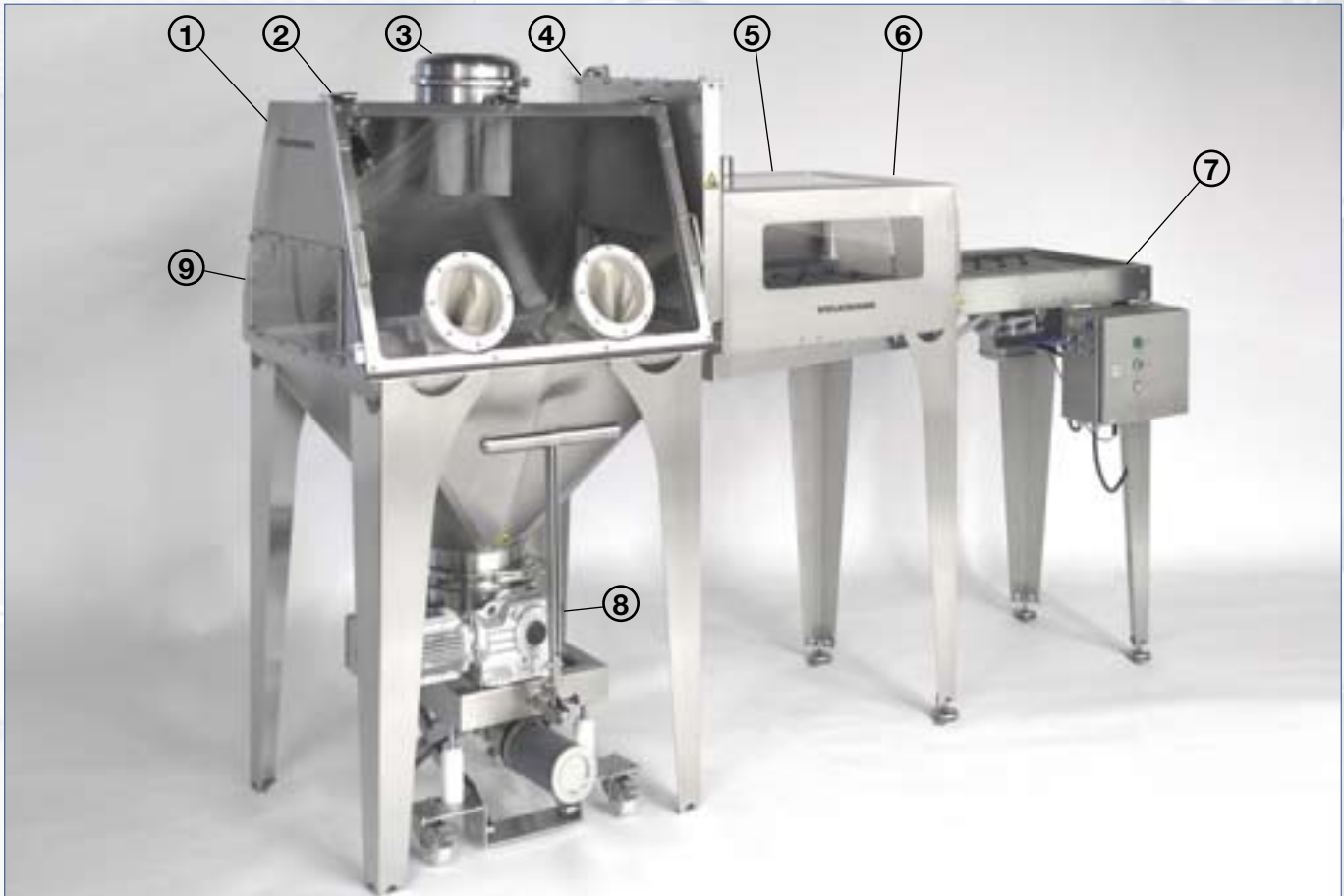
vacuum conveyors • **product unloading stations** • hoists • feeding systems • weighing-/dosing units



VOLKMANN

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Bag Unloading Station RNT-CON



- 1 Unloading Station / Isolator (316L)
- 2 Flushing connection with washing-gun or spray balls
- 3 Continuous Multijector dusting and filtration, optional prepared for on-site aspiration
- 4 Door lock, operated by foot pedal
- 5 Inlet tunnel, optional built as a lock with separate aspiration
- 6 Dust protection, optional second pneum. door lock
- 7 Roller Conveyor, optional with bag separation, optional with vacuum lifting hoist, with extended buffer zone
- 8 Material discharge, lump breaker (optional), with connection for vacuum conveying
- 9 Modular connection to bring out the emptied bags, either with bag compactor, endless liner etc.

High quality, high potency powders and fines require dust-free handling. Volkmann's contained Rip-and-Tip dump station allows the opening and discharging of materials from bags, boxes and small containers completely dust and contamination free. Critical powder handling processes, in the ever more demanding processing environment, therefore become safe. The modular design of the product feeding station, RNT-CON, enables a flexible design with various functional units and options. Bags or containers are fed semi automatically into the isolator via a roller conveyor. They enter a dust lock section and subsequent negative pressure unloading chamber. Inside the glove box isolator, they are opened manually and discharged into the feeding hopper for transfer by the vacuum conveyor. Optional Lump breakers/crushers and material agitators are available. If required, the closed station can be flushed from within using a hand washing gun or WIP/CIP.

Lump breaker

Volkmann's Lump breakers and material agitators for agglomerates and lumps can easily be docked to the bag unloading station RNT-CON. They allow the vacuum transport in a closed system free of emissions. They are easy to disassemble and to clean, but can also be flushed without taking it off the RNT-CON.



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