

Adsorbent dosing system – Using low-pressure conveying

For flue gas purification to be effective, the adsorbent must be available at the right time in the right quantity at the right place. Whether activated carbon, blast furnace coke or lime hydrate: IB Verfahrens- und Anlagentechnik's dosing systems work so precisely that they are able to meet the process demand for adsorbents with optimum efficiency and at constant low pressure. This ensures that pollutants can be reduced to an optimum level with an economical use of materials.

- 1 Frame**
with all components mounted

- 2 Centring corners**
for optional and safe placement

- 3 Docking connection**
tight-sealing

- 4 Buffer silo**
with level monitoring and fluidisation

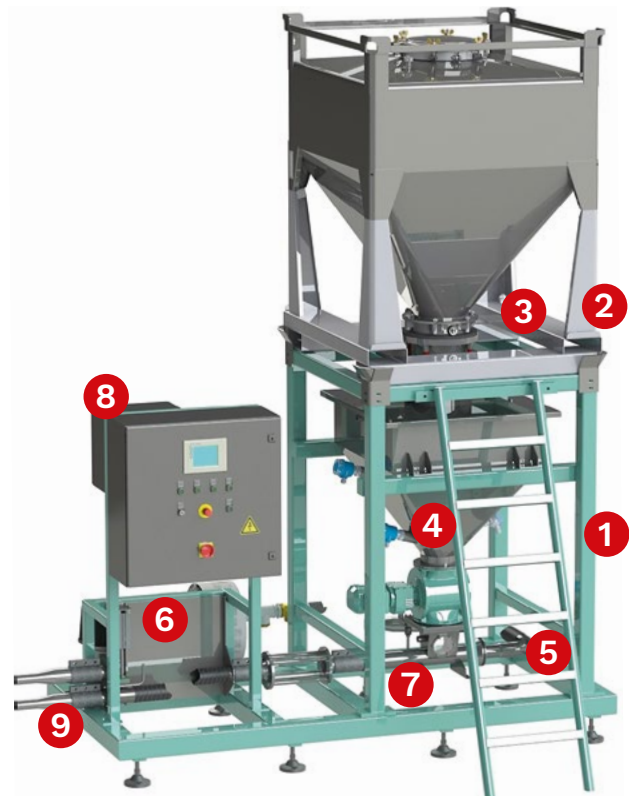
- 5 Rotary valve**
for optimal dosing

- 6 Side channel blower**
to provide conveying air

- 7 Injector**
with conveying air supply

- 8 Switch box**
with intuitive operation and connection to PLC

- 9 Conveying line**
with inspection glass including injection nozzle



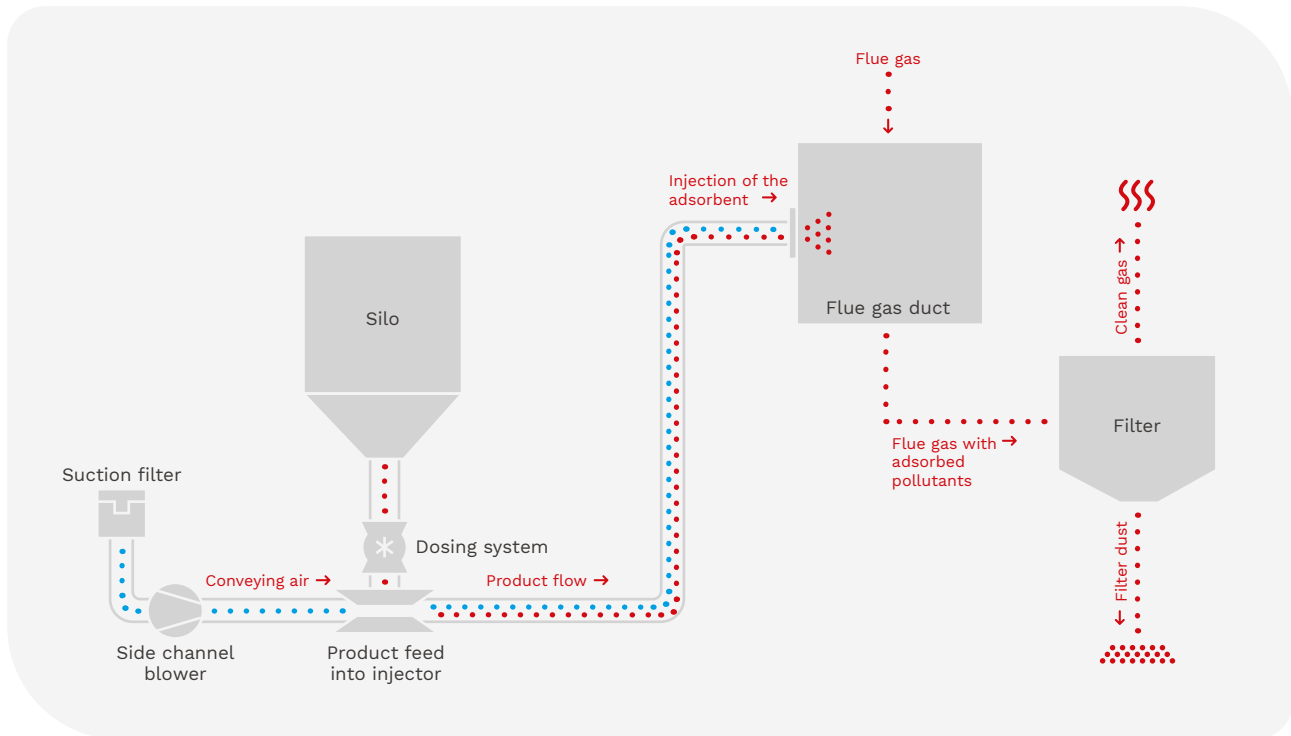
Features of the adsorbent dosing unit

- > Dust-free and contamination-free emptying
- > Frequency controlled dosing
- > Simultaneous dosing in several lines
- > Direct dosing and batching
- > Minimal maintenance effort
- > Simple handling
- > Compact and sturdy construction
- > Flexibility due to adaptable construction
- > Assembly and commissioning on site
- > Rental station available for test drive

Any questions?
We will be happy to help

+49 5232 69190-0
sales@ib-vt.com

Dosing of adsorbents – The all-in-one solution



Equipment and options for the adsorbent dosing unit

- > Volumetric or gravimetric adsorbent dosing
- > Dosing via cellular rotary valve or dosing screws
- > Suitable docking connections for all common bulk material containers
- > Conveying lines made of stainless steel or hose line
- > Beaters and vibropads for fluidising the product
- > Silos for delivery with silo vehicles
- > Working and operating platforms
- > Dedusting filter with pneumatic cleaning and fan
- > Fill level indicator
- > Temperature monitoring
- > Nitrogen blanketing
- > Stationary and mobile version
- > ATEX in compliance with 2014/34/EU/IECEX
- > FDA/Food compliant in compliance with EC 1935/2004
- > Materials: steel and stainless steel