

# Deduster KD7010 DT



## Features

- High conveying capacities
- Quiet operation < 68 dB
- Featuring an **acceleration sensor** that assures constant vibration, independent of the load / amount of tablets in the deduster
- **Optimum viewing** of tablet movement with pivoting and fully removable **dust-tight** window
- Easy **height adjustment**, full 360° **freedom of rotation** at tablet inlet
- **Vibration-free** housing, patented drive unit
- **Compact** design, minimum footprint
- Easy **assembly** and **disassembly**, no tools are needed
- Easy to **clean**

### Deduster model KD7010

- Upward conveying range of 250–1500 mm
- Conveying of tablets of 3–25 mm diameter

### Design

- Constructed according to GMP specifications
- Upward conveying of tablets generated by continuously adjustable vibration
- The process can be monitored visually at all times through a large window
- The device outlet can be fitted with peripherals such as metal detectors, diverter switches, slides etc.
- The outlet can be rotated 360° facing the inlet. The deduster is therefore adjustable to the tablet press discharge configuration

### Deburring and dedusting

- Dust agitation system efficiently removes dust particles from tablets
- Dust agitation system is an optimized combination of blown air and vacuum dust extraction

### Features

- A patented suspension system based on counterweights eliminates vibration of the housing
- For cleaning the deduster can be disassembled easily and without tools by a single person
- Low maintenance
- Atex Certification II 2D/- Db 140 °C
- Containment OEB4 (1 µg/m³ to < 10 µg/m³), incl. peripherals
- Optionally available with a HEPA filter M-class



Protection



Containment



Optional product Diverter KV2010



Pivoting and fully removable Window



Various helix surfaces available on request as an option

| Deduster Type                  | KD7010 - | 250              | 500         | 750         | 1000        | 1250        | 1500        |
|--------------------------------|----------|------------------|-------------|-------------|-------------|-------------|-------------|
| <b>Dimensions</b>              |          |                  |             |             |             |             |             |
| Weight                         | kg       | 55               | 66          | 75          | 81          | 92          | 98          |
| Outlet height                  | mm       | 980 – 1165       | 1240 – 1425 | 1465 – 1650 | 1755 – 1940 | 2010 – 2195 | 2305 – 2490 |
| Inlet height                   | mm       | 715 – 900        |             |             |             |             |             |
| Difference inlet/outlet height | mm       | 256              | 525         | 750         | 1040        | 1295        | 1590        |
| Tablet inlet/outlet diameter   | TC       | 2.5" / ISO DN 50 |             |             |             |             |             |

### Technical Data

|                                    |                         |
|------------------------------------|-------------------------|
| Power supply                       | 100 – 240 V, 50 / 60 Hz |
| Maximum current                    | A 3                     |
| Compressed air (p = 1.5 – 2 bar)   | l/min 50 – 100          |
| Air extraction (pu = 10 – 20 mbar) | m³/h 100 – 250          |
| Noise emission at 1 m distance     | dB(A) < 68              |
| Protection rating of drive unit    | IP54                    |

### Conveying Capacity (all conveying ranges)

|                            |                |           |
|----------------------------|----------------|-----------|
| Round Ø 4.8 x 2.3 mm       | tablets / hour | 3'500'000 |
| Round Ø 9.1 x 3.2 mm       | tablets / hour | 1'300'000 |
| Round Ø 12.1 x 3.7 mm      | tablets / hour | 410'000   |
| Round Ø 16 x 4 mm          | tablets / hour | 280'000   |
| Round Ø 23.4 x 5.7 mm      | tablets / hour | 103'000   |
| Round Ø 25 x 7 mm          | tablets / hour | 68'000    |
| Oblong 16.3 x 7.6 x 5.7 mm | tablets / hour | 425'000   |