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

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Deduster Type KD7010 - 250 500 750 1000 1250 1500

Dimensions

- **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 3500000
- Round Ø 4.1 x 3.2 mm tablets / hour 1300000
- Round Ø 4.2 x 3.7 mm tablets / hour 2800000
- Round Ø 16 x 4 mm tablets / hour 808000
- Round Ø 23.4 x 5.7 mm tablets / hour 1030000
- Round Ø 25 x 7 mm tablets / hour 680000
- Oblong 16.3 x 7.6 x 5.7 mm tablets / hour 425000

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