

Deduster KD7015 Combined Unit




Features

- Control of deduster, metal detector and diverter with **one touch-screen**
- **Dust-tight** window
- **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 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 KD7015

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

Features

- Compact combination of deduster and metal detector
- Flexible use (on left or right side of tablet press / capsule filling facility)
- Deduster on telescopic column: flexible inlet height
- Required floor area: 600 x 700 mm
- Drive unit protection rating: IP50
-  Atex Certification II 3/D 140°

Metal detector Type: Ceia THS/PHS21N

Spherical Sensitivity of aperture 100 x 40 mm:

- Ferrous (Fe): 0.25 mm
- Non-Ferrous (70Cu30Zn): 0.30 mm
- Stainless Steel (AISI316): 0.40 mm

Metal detector Type: Lock Insight

Spherical Sensitivity of aperture 95 x 38 mm:

- Ferrous (Fe): 0.30 mm
- Non-Ferrous (70Cu30Zn): 0.35 mm
- Stainless Steel (AISI316): 0.50 mm



 **Krämer**
www.kraemerag.com



Option:
Product Diverter V4000



Pivoting and fully
removable Window



Option:
Various helix surfaces
available on request

| Deduster Type | KD7015 - | 250 | 500 | 750 | 1000 | 1250 | 1500 |
|-------------------------------|----------|------------------|------------|-------------|-------------|-------------|-------------|
| Dimensions | | | | | | | |
| Weight* | kg | 138 | 149 | 158 | 164 | 175 | 184 |
| Outlet height* | mm | 640 – 825 | 905 – 1090 | 1125 – 1310 | 1415 – 1600 | 1670 – 1855 | 1965 – 2150 |
| Inlet height | mm | 710 – 895 | | | | | |
| Conveying height* | mm | -70 | 195 | 415 | 705 | 960 | 1255 |
| Tablet inlet/outlet diameter* | TC | ISO DN 50 / 2.5" | | | | | |

Technical Data

| | |
|------------------------------------|-----------------------------|
| Power supply | 100 – 240 V, 50 / 60 Hz |
| Maximum current | A 1 |
| Compressed air (p = 1.5 – 2 bar) | l/min 50 – 100 |
| Air extraction (pu = 10 – 20 mbar) | m ³ /h 100 – 250 |
| Noise emission at 1 m distance | dB(A) < 68 |
| Protection rating of drive unit | IP50 |

* depends on brand of metal detector
(values shown for Ceia)

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 |
| Capsules 19.5 x 7 mm, No. 1 | capsules / hour | 448'000 |