

Deduster KD7035A DT Combined Unit



Krämer
www.kraemerag.com



Optional product Diverter
V4000/ 5000 DT



Pivoting and removable
Window with optional
HEPA Filter



Dust-tight connection inclu-
ding test tablet insert

Features

- Highest **conveying capacities**
- Control of deduster, metal detector and diverter with **one 7" 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
- Easy **height adjustment**, full 360° **freedom of rotation** at tablet inlet
- **Vibration-free** housing, thanks to patented drive unit for trouble-free combination with metal detector
- **Compact** design, minimum footprint
- Easy **assembly** and **disassembly**, no tools are needed

Deduster model KD7035A

- Upward conveying range of 400–1600 mm
- Conveying of tablets of 3–35 mm diameter

Features

- Compact combination of deduster and metal detector
- Flexible use (on left or right side of tablet press machine)
- Deduster on telescopic column: flexible inlet height
- Required floor area: 600 x 700 mm
- Drive unit protection rating: IP54
- **Ex** Atex Certification II 2D/- Db 140 °C
- Certified according to SMEPAC for Containment up to OEB4 (1 µg/m³ to < 10 µg/m³), incl. peripherals with optional HEPA filter M-class

Metal detector Type: Ceia THS/PH21N DT

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 DT

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



Protection



Containment

Deduster Type	KD7035 -	400	800	1200	1600
Dimensions					
Weight*	kg	150	164	179	193
Outlet height*	mm	820 – 1005	1225 – 1410	1630 – 1815	2035 – 2220
Inlet height	mm	725 – 910			
Difference inlet/outlet height*	mm	95	500	905	1310
Tablet inlet/outlet diameter*	TC	ISO DN 65 / 2.5"			

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

* 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	6'300'000
Round Ø 9.1 x 3.2 mm	tablets / hour	1'800'000
Round Ø 12.1 x 3.7 mm	tablets / hour	574'000
Round Ø 16 x 4 mm	tablets / hour	378'000
Round Ø 23.4 x 5.7 mm	tablets / hour	140'000
Round Ø 25 x 7 mm	tablets / hour	95'000
Oblong 16.3 x 7.6 x 5.7 mm	tablets / hour	770'000