

Technical Data sheet

DUST COMPACTORS

EASY HANDLING OF COLLECTED DUST FROM RECYCLING



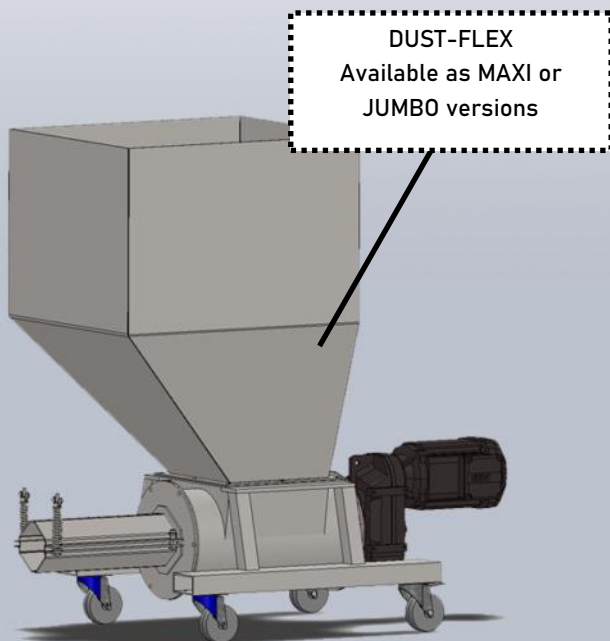
The KBM dust compactors offer many production advantages in terms of easy handling of dust from EPS/EPP/EPE, Arcel, or Neopor. The KBM dust compactors are used to reduce the volume of dust 20-30 times.

The KBM dust compactor reduces the costs of the dust disposal. The KBM dust compactor improves the environment of the dust handling location in the production. Opposite to using plastic bags for collection, no dust is flying around since there are no change of bags.

The basic dust compactor is available in four different sizes: The MINI, the MAXI, the JUMBO and the GIGANT.

The basic KBM dust compactor can be equipped for multiple applications:

- One use would be as part of a recycling system where the machine is used as a combined air venting unit and dust compactor. It will be equipped with a small storage silo with venting bags or with a cyclone for the KBM closed air circuit system, which reduces maintenance of venting bags to almost zero.
- Another would be as part of a recycling system which is placed under a larger dust collection silo from a recycling system. It can be placed underneath a large silo where milling dust is collected.



Used as a separate mobile compactor unit (Dust-Flex)

The dust is collected in the part just above the compactor and is compacted into a rod with a density of 150-300 Kg/m³ (9-18 lbs/ft³).

The KBM dust compactor can be used in a large number of ways in combination with any production line where dust occurs.

The dust compactors are also parts of KBM's large program of recycling plants and equipment for the EPS/EPP/EPE/ARCEL/NEOPOR foam industries.



KBM APS | VOELUNDSVEJ 13 |
3400 HILLEROED | DENMARK

KBM ApS guarantees that the product meets the specification above. The keeping, handling and use of the products are beyond the control of KBM ApS, and therefore shall not invoke any responsibility of the company. This TD substitutes and deletes all previous versions.



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Capacity/hour EPS:
(measured with EPS dust)

Cyclone with blower
for conveying dust to
external dust compactor

Capacity/hour EPS: (measured with EPS dust)

MINI dust compactor: 0.75-1 m³ (25-35 ft³)

MAXI dust compactor: 1-1.5 m³ (35-50 ft³)

JUMBO dust compactor: 1.5-3 m³ (50-100 ft³)

GIGANT dust compactor: 9-14 m³ (315-490 ft³)

(Experienced with EPS dust from a KBM recycling system.)

Capacity measured in weight is depending on the
volume capacity given above.

Dimension of the compacted material:

MINI dust compactor: 100x100mm (4"x4")

MAXI dust compactor: 100x100mm (4"x4")

JUMBO dust compactor: 150x150mm (6"x6")

GIGANT dust compactor: 270x270mm (11"x11")

Space required ca. 2-5 m² (20-50 Ft²)

Measurements: L x W x H

MINI with 3 venting bags: 1.5x0.5x5.1 m (59x20x201")

MAXI with 6 venting bags: 1.5x1.0x5.1 m (59x40x201")

JUMBO with 9 venting bags: 1.5x1.5x5.2 m (59x59x205")

MAXI with cyclone venting: 1.2x1.2x4.8 (48x48x189")

JUMBO with cyclone venting: 1.2x1.2x5.4 (48x48x213")

DUST-FLEX MAXI: 1.3x0.6x1.3 (51x24x51")

DUST-FLEX JUMBO: 1.9x0.6x1.3 (75x24x51")

Pipe connections:

MINI or MAXI dust compactors 160 mm (6")

JUMBO dust compactors 200 mm (8")

Electrical load: EPS EPP

MINI dust compactor: 1.5 Kw 1.5 Kw

MAXI dust compactor: 2.2 Kw 2.2 Kw

JUMBO dust compactor: 4.0 Kw 4.0 Kw

GIGANT dust compactor: 7.5 Kw 7.5 Kw

Voltage:

3x400V/50Hz, 3x480V/60Hz or other voltages.

KBM DUST COMPACTOR
with venting hoses
available in
4 capacity versions

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cyclone
available in
4 capacity versions

