

www.kbm.dk



KBM DEDUSTERS

EPS / EPP / EPE / ARCEL / NEOPOR

Do you have problems with dust in your moulds?

KBM DEDUSTER / DUST SEPARATION UNIT



KBM APS
DK 3400 HILLERØD
TLF.+45 4826 8090
Homepage: www.kbm.dk

VØLUNDSVEJ 13
DENMARK
FAX.+45 4826 8016
e-mail: kbm@kbm.dk



Technical Data

Capacities	M ³ /hour	Cubic feet/hour
MINI de-duster	8-10	280-350
MAXI de-duster	18-20	630-700
MAXI + de-duster	25-30	875-1050
JUMBO de-duster	35-40	1225-1400
JUMBO + de-duster	50-60	1750-2100
GIANT 120 de-duster	100-120	3500-4200
GIANT 240 de-duster	200-240	7000-8400
SUBJECT TO ALTERATIONS		

Traditionally de-dusting has been used to prepare foam materials from granulation / grinding - to ensure that it was possible to mix with new beads before the moulding process.

KBM has supplied these solutions since 1978 and has developed different equipment to refine this process ever since to obtain the optimal de dusting quality.

Today, it is often necessary to de dust in other locations in the moulding process. The raw material (virgin beads) is often full of small particles and fine dust, and it is very important, that these particles are removed before the moulding process.

De dusting must be done to:

- 1) **Increase the quality of the moulded pieces (shape moulded or block moulded).**
- 2) **Avoid production stops** caused by dust sticking to the moulds and with a lot of maintenance work as the result.
- 3) **Increase the rate of recycled material** that can be added and reused.

KBM has for many years been manufacturing the MINI, MAXI and JUMBO recycling systems with vacuum dedusters. These products have capacities like 10 m³/h, 18-20m³/h and 35-40 m³/h. Lately a larger version JUMBO+ was developed to give 50-60 m³/h. This unit has now been developed further into the GIANT 120 and GIANT 240 with capacities of 100-120 m³/h and 200-240 m³/h for the large block moulds.

With the variety in capacity from 10m³/h up to 240m³/h KBM is able to supply for all purposes of de dusting: Recycled or virgin - or after it is mixed.

To keep the quality and efficiency high and maintenance of the de dusting systems on a minimum, KBM has developed a cyclone venting system for the extracted dust. The cyclone removes the dust from the de dusting air. The collected dust is compacted to avoid large volumes of waste. The air is returned in a "closed loop" and reused in the system instead of venting it through filter bags which require a lot of maintenance.

