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STYROMIX / STYROMETER

EPS / EPP / EPE / ARCEL / NEOPOR



STYROMIX
MIXING for EPS and EPP

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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



STYROMIX (for the shape moulders):

The KBM STYROMIX System is designed to obtain a more accurate metering and mixing of recycled EPS or EPP materials to the new EPS or EPP beads, directly before each individual moulding machine (mounted on or close to each machine).

The STYROMIX System is suitable for EPS or EPP granulated and dust extracted materials and since the mixing takes place directly before the materials reach the hopper on the moulding machines, the de-mixing of the mixture is minimized or even eliminated compared to mixing after the pre-expander.

The ratio of the recycled material to the new beads is from 0% to 99% in steps of 1%.

The STYROMIX 1 system has an individual control panel, while the STYROMIX 10 & 30 systems have central control panels for 10, respectively 30 moulding machines.

The vacuum to the systems, to suck the material from the storage silos to the moulding machines, is to be provided from the customers existing vacuum system.

The operation of all systems is very simple to control from the control panels.

STYROMIX UNIT:

Throughput per unit:	100 L/Min
Compressed air:	5 Bar
Hose connections (hose i.d.):	40 mm (1,5") or 50 mm (2")
Dimensions (each unit):	
Length:	435 mm (17")
Width:	390 mm (16")
Height:	680 mm (27")
Electrical load STYROMIX 1:	30 VA
Electrical load STYROMIX 10&30:	600 VA

STYROMETER (for the EPS block moulders or for EPP mixing before the pre-pressurizing tank):

The KBM STYROMETER System is designed to meter and mix the recycled and new material together right before the block mould to minimize segregation.

Each silo contains one material e.g. recycled and virgin material. The speed of the cell-wheels (airlocks) is steplessly adjustable from 5% to 95% with **one mutual potentiometer** to set the required mixing ratio. It is also possible to program a number of preset ratios (5%, 10%, 15%, etc.) to simplify the settings.

The cellwheel (airlock) principle ensures an accurate mixing/metering independently of the pressure in the silos when they are being refilled by a blower. This is a problem by the screw-feeding systems.

The system can also be delivered for existing silos.

STYROMETER	MINI	MAXI	JUMBO
Capacity (m3/h):	30	100	180
(CuFt/h):	1000	3333	6000
MORE CAPACITY ON REQUEST.			
Height m (inch):	6,0 (240)	6,0 (240)	6,0 (240)
Width m (inch):	2,0 (80)	3,0 (120)	4,0 (160)
Length m (inch):	2,0 (80)	3,0 (120)	4,0 (160)
Electrical load:	Up to 3 KW		

SUBJECT TO ALTERATIONS

2010/09 - 2010/09 R14E

