

BOREMA PET bottles crusher, type R-1200 F, yoc 2013, connected load 15 kW, rotor pretension 16 t, Throughput capacity: approx. 3 t/hour, with chassis



We offer you a used PET bottle crusher of the manufacturer BOREMA, type R-1200 F, year of construction 2013, for residual emptying, deaeration and pre-compaction of the fed PET bottles, from 0.3 up to 2.5 l content. The machine has a chassis and can be moved into and out of the feed chute of your baler. The machine has a throughput capacity of approx. 85,000 bottles/h, corresponding to approx. 3t/h.

We have the following technical information:

Manufacturer: BOREMA Umwelttechnik AG

Type: R-1200 F (with trolley for retracting and extending)

Year of manufacture: 2013

Drive power: 11 kW

Connected load: 15 kW

Rated current: 32 A

Back-up fuse: 40 A

Type of construction: Continuous system

Function: Double rotor press system

Rotor pretension pneumatic: approx. 16t

Overload protection: by anti-blocking system

Input material: PET disposable and returnable empty bottles 0.3 to 2.5 L capacity

Input material: HDPE bottles and canisters up to 3 l capacity

Throughput capacity: approx. 3 t/hour, corresponding to approx. 85,000 bottles/hour, depending on size

Required compressed air output: G1/2", 8 bar, 40 l/min.

Compression ratio: 1:3

Flange dimensions inside: 972 x 1220 mm

Feed opening: 565 x 1280mm

Weight: approx. 2500kg

Possible applications:

Due to the chassis, the PET flattener can be moved into the feed chute of your baler as required,

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thus ensuring residual emptying, venting and pre-compaction of the fed bottles and canisters. When the material is changed, the PET flattener is simply moved out of the feed chute again and paper, cardboard, film, etc. can now be pressed further without using the flattener.

Process of the BOREMA PET crusher:

The plastic packages are drawn in by two rotating shafts. One of the rotating shafts is pneumatically pretensioned by two air bellows and presses the PET bottles with 16 t of pressure against the second rotating shaft. In the process, the closed plastic bottle is squeezed together, caused to burst and vented. Residual liquids run out and the material falls into the baler in a precompressed state. When impurities are introduced, the pneumatically pre-tensioned shaft deflects to the side and the impurities are channeled through.

Significant advantages compared to conventional PET perforators with punching mandrels or knives:

The BOREMA process is much more efficient and less subject to wear than conventional PET perforators with punching mandrels or knives. The biggest advantage is that any foreign matter such as metal parts, stones, bottles with frozen contents and pieces of wood are passed through the pneumatically deflecting rotor shaft without stopping the operation of the system or causing any major damage. With conventional perforators, mandrels or blades sometimes break off or become so jammed with the interfering material that the plant has to be shut down and repaired at great expense.

Comments:

The crusher is in good condition, was dismantled from the running operation, stored, is available at short notice and after assembly immediately ready for use. The documentation (manual, CE, electrical/hydraulic circuit diagram) is complete. An inspection is possible by arrangement. The technical information is taken from sales brochures, the operating instructions or other information provided by the manufacturer. We accept no liability for incomplete or incorrect data and informations.

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