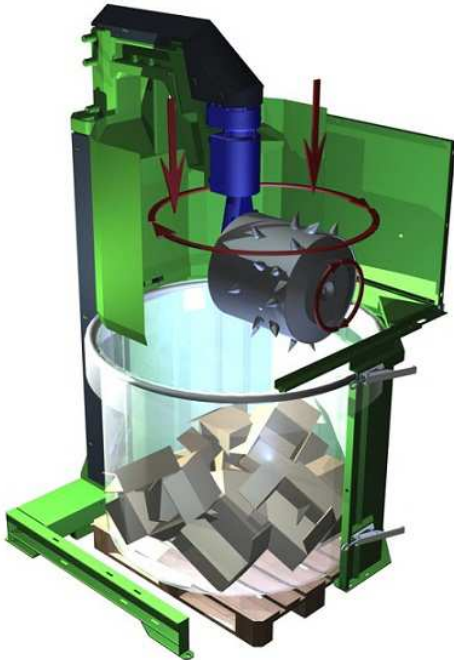




BERGMANN ROTO-COMPACTOR PS 800

The principle of the Bergmann Roto-Compactor PS 800



Idea & functional principle

The Roto-Compactor PS 800 (bag capacity of 800 litre) belongs to the hydraulically driven Bergmann rotating waste compactors. The basic idea is to compact waste/recyclable material directly where it will be produced. This leads to savings of disposal trips, reduces the costs and saves the environment.

A left and right rotating compaction drum „steamrolls“ every material and grabs it into a bag. By means of the specially equipped drum the waste will be compacted in layers. Idea, conception and implementation come from Bergmann and the more than 30-year-old experience in this technique.

Easy handling due to continuously filling

measurements) to the stationary unit. In the second Stepp a 800 litre polythene sack will be inserted and the doors will be closed. After the start button has been activated the compaction unit sinks and the waste/recyclable material can be thrown in.

Waiting for the end of the compaction cycles or filling rhythms is not necessary!

The compaction operation takes place automatically. The system will be controlled in a way so that the drum moves forward and backward in permanent change. Just throwing in the material and attend to work again afterwards!

Compaction in layers

The compaction drum will be driven by a solid angular gear which is driven by a low-maintenance hydraulic motor.

The compaction takes place in a **1.000 litre PE-bag**. The compaction drum grabs the material in layers until the full signal will be initiated.

Solely in view of catonage a compaction weight of approx. 250 kg will be attained. The PE-bag`s share of foill attains a percentage share of only less than 1%. Therefore it fulfills the condition for further processing of the paper respectively the cartonage.

Example:

out of 6m³ make 0,8m³

BERGMANN Machines for Waste Management



Usage

The PS 800 is particularly suitable for recyclable material, such as paper, cardboard or similar packaging materials. The typical usage of this machine takes place in supermarkets, clothing stores, kiosks, but also in the industry, e.g. the packaging industrie.

This machine can be filled optionally via chute or faceplate. If the machine will be installed in a high-rise building two possibilities for filling are available. On the one hand the machine could be filled by means of the chute from the ground floor. Apart from that a simultaneously filling from a overlying floor via a waste chute is possible as well. This is only possible with the PS 800!



Safety

The Bergmann PS correspond to the European Machinery Directive CE and are equipped with the latest safety technology as standard. For example the door is equipped with a safety limit switch.






Technical data of the PS 800

| | |
|---|--|
| <p><u>Driving unit hydraulics</u></p> <p>Driving power hydraulic power unit</p> <p>Compaction unit 2,2 kW / 1.455 U/min</p> <p>Rotation speed drum approx. 18 U/min</p> <p><u>Gear</u></p> <p>Amount of gear oil</p> <p>Main gear unit 1,0 litre</p> <p>Angle 1,30 litre</p> <p>Gear oil CLP acc. to DIN 51 517, part 3</p> <p>Viscosity from 320 mm²/s at 40°C</p> <p>Temperature range -10°C to +60°C</p> | <p><u>dimensions</u></p> <p>Width of the machine 1.115 mm</p> <p>Depth of the machine 1.605 mm</p> <p>Height of the machine 1.970 mm</p> <p>Max. required space for handling</p> <p>Width min. 1.200 mm</p> <p>Height min. 2.360 mm</p> <p><u>Electrical data</u></p> <p>Input voltage 400 V / 3 Ph</p> <p>Frequency 50 Hz</p> <p>Control voltage 24 V</p> <p>Preliminary fuse on site 3 x 16 A K</p> <p><u>Further information</u></p> <p>Movement manually with spec. equipment</p> <p>Noise level approx. 76 dB(A) acc. to DIN 5045 (1m distance)</p> <p>Total weight approx. 740 kg</p> |
|---|--|

Subject to technical modifications.

| EDV-code | description | scope of delivery |
|---|---|---|
| <p>30326116</p>  | <p><u>Ozone generator</u></p> <p>Prevention of unpleasant odours and disinfection by means of bactericidal, fungicidal and viricidal effect of ozone. Ozone is heavier as air and is generated without the need of operating resources from ambient air. After 20 minutes it will degrade to oxygen. The generator is adjustable from 0 to 200 mg/h.</p> | <p>ozone generator various fixing material</p> |
| <p>30326341</p>  | <p><u>Knife equipment on the gearbox neck</u></p> <p>Additional knives on the gearbox neck which cut the material still more</p> | <p>knife equipment fixing components</p> |
| <p>30326356</p>  | <p><u>Full signal via flashing light</u></p> <p>An optical sign that advises the operator of the 100% full signal. (picture shows flashing light mounted on the roof)</p> | <p>flashing light various electrical components</p> |
| <p>50000382</p>  | <p><u>PE-bag 50µm, 800 litre</u></p> <p>Transparent PE-bag with a capacity of 800 litre and a thickness of 50µm. Available with 50 bags per one roll.</p> | <p>PE-bag</p> |

| EDV-code | description | scope of delivery |
|---|--|--|
| <p>30326365</p>  | <p><u>Water sprinkler (via main connection)</u></p> <p>Water sprinkler for the connection to the main water supply.</p> | <p>valves</p> <p>spray nozzle</p> <p>various equipment</p> |
| <p>30326439</p>  | <p><u>Additional emergency stop button</u></p> <p>An additional emergency stop button on the frame of the machine gives additional safety if a second person recognizes danger.</p> | <p>additional emergency stop button</p> |
| <p>30326869</p>  | <p><u>Additional remote control</u></p> <p>Additional remote control with 5m cable.</p> | <p>remote control</p> |



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Machines for Waste Management

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