

## PET-PERFORATOR PF 800 MOBILE

The fully automatic PET-perforator „PF 800“ from BOREMA AG convinces by its simple and compact construction. The PET-perforator is designed to vent and pre-press PET-bottles. Afterwards the perforated bottles can be pressed into heavy bales.

Due to the mobile design, the perforator can be installed prior to a small or big baling press. If it is not needed, it can easily be disconnected and stored.



### Function

The PET-perforator can be fed by hand, by wheel loader or with a conveyor. When feeding by hand, the bags or collecting containers will be emptied directly into the hopper. When feeding with a conveyor, a level sensor will be installed in the hopper, so the conveyor will be stopped automatically as soon as the hopper is full.

The PET-bottles (0.3 to 2.5 litre) are perforated and pre-pressed by a robust tooth lock washer perforation mechanism and then discharged through a channel. Impurities such as cans or glass bottles cannot block the machine. The capacity of the "PF 800" comes up to approx. 22'000 bottles per hour. The unit stops automatically as soon as the filling hopper with the volume of 600 litres is empty.

The discharge of the perforated and pre-pressed bottles is at a height of approx. 1'160 mm over the floor (standard machine). At this height it is possible for example to directly feed the conveyor of a baling press. If this height is not sufficient, the "PF 800" can be connected to an additional vertical conveyor that transports the PET-bottles up to a height of 2'500 mm – ideal for feeding vertical baling presses.

### Advantages

The following points distinguish the PET-perforator mobile:

- Suitable for processing empty or also filled PET-bottles up to a content of 2.5 litres.
- Built-in electrical control unit with fill level indicator for an automatic ON/OFF of the machine.
- Star-shaped HARDOX tooth lock washer, what means no punching pins and therefore less maintenance costs.
- Movable counterpressure plate that is resistant against impurities for an optimal result of pre-pressing.
- Can be placed individually due to its mobile design.
- High security level for the operator (safety strip made of rubber)
- Simple handling

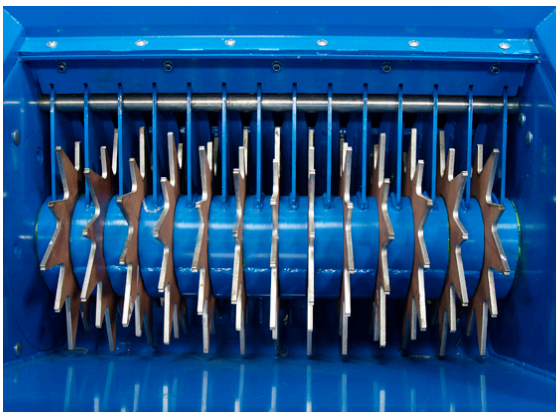
Technical data	
Model	PET-perforator PF 800 mobile
Design	Flow system as rotary compressor with perforation unit
Function	Perforation and pre-pressure of empty or full PET-bottles
Size of bottles	0.3 to 2.5 l
Rotor shaft	1 HARDOX-tooth lock washer (without pins)
Counterpressure plate	Preloaded counterpressure plate, rate of pre-pressing approx. 1 :3
Discharge	With Rotor drive, standard discharging height approx. 1'160 mm
Collection tray	Optional with collection tray to the collection of leaking fluids
Engine	3.0 kW, 400 / 50 V / Hz.
Dimensions l x b x h	approx. 1'460 x 1'850 x 1'600 mm
Feeding opening	approx. 1'787 x 1'075 mm
Feeding height	approx. 1'240 mm
Filling hopper volume	approx. 600 l
Capacity	≥ 800 kg/h, ≥ 22'000 Stk./h
Weight	approx. 680 kg
Coat of paint	Chassis RAL 5017 traffic blue, Casing RAL 6024 traffic green

### Options

- Vertical discharging conveyor for heights up to 2'500 mm
- Big-Bag-Station (Packing PET-bottles into Big-Bags)
- Individual under frames and maintenance platforms
- Equipment with level sensor for an automatic feeding
- Electrical connection with the control unit of an external baling press
- Special discharging hopper
- Special RAL-colours



Rotor drive with covers for a better protection against aggressive liquids and other external influences.



Perforator with star-shaped HARDOX tooth lock washer results in less wear compared to punching pins.



The PET-perforator "PF 800" can also be used as a pre-compressor of a small baling press.