

Data Sheet for Briquetting Presses VBP Type



VBP series briquetting presses set themselves apart with highly robust technology in a working range up to 120 kg/h. Their reliability and high utility value make our machines the number one choice for industry and trades. Reliable bolted cylinders guarantee a long service life. The clamp mechanism with lever transmission makes a high press power possible with simultaneous moderate clamp and cylinder loads. Here the clamps themselves are carried out as massive halves of a square steel bar. The press block is hardened and can be replaced when needed.

Our briquetting presses are suitable for the reliable briquetting of the following materials:

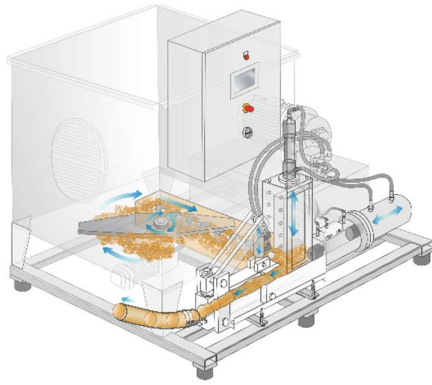
- Wood dust and chips
- Wood chips made from chipboard, MFD, wood etc.
- Paper dust and pulp
- Various natural fibres such as cotton, tobacco, straw, flax etc.
- Aluminium chips
- PU rigid foam, Styrofoam and similar materials

Technical Data VBP		50-55	60-55	60-75	60-110	70-55	70-75	70-110
Output ¹⁾	kg/h	30 - 50	60 - 80	70 - 90	80 - 100	80 - 100	90 - 110	100 - 120
Diameter of Briquettes	mm	50	60			70		
Length of Briquettes	mm	60	90 - 110			100 - 120		
Power Consumption	kW	5,5		7,5	11,0	5,5	7,5	11,0
Dimensions L x B x H (w/ st. silo 1.000 x.1000 mm)	mm	1.860 x 1.500 x 1.800						
Hydraulic Oil Charge	l	100	160		200	160		200
Current Supply Voltage	-	Three Phase Current 400 V 50 Hz						

¹⁾ = dependent on material; rated with a material weight of 250 kg/m³

Max. moisture of the material ≤ 18%. Switchboard featuring SPS controls.

Briquetting Press Functional Principle

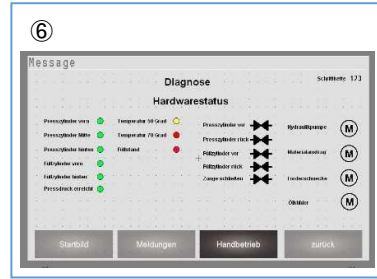


A rotating device fills the screw conveyor. The screw conveyor transports the material for briquetting into the filling tower of the briquetting press. It accumulates in the filling tower.

In the next process step, the material is pushed into the press chamber by a pusher in the filling tower. The pusher remains in the lower end position while the pressing cylinder advances, thereby pressing the briquette.

After reaching a preset pressure value, the clamp opens so the finished briquette is ejected, for example into a transport pipe.

The next cycle begins with closing the clamp, moving back the pressing cylinder and moving up the pusher in the filling tower up.



- ① A wear-free electronic sensor controls the briquette length during the pressing process. The sensor replaces a mechanical counter wheel, which does not measure as reliably and is susceptible to faults during operation.
- ② The unique hardened press block used in our briquetting press is firmly bolted to the machine. It can be replaced quickly and easily as a unit. Compared to commercially available press bushings on the other hand have to be driven out of the press block with high mechanical force in case of damage.
- ③ Our robust square clamps in conjunction with the clamping lever form a reliable unit to generate the required clamping force.
- ④ The clamp gripping force is easily regulated with an adjusting screw.
- ⑤ The accessible hydraulic pump minimizes the heat transfer and enables maintenance and service at any time.
- ⑥ Touch panel visualisation of operating states and operating processes of all individual components. Easy to operate.

Please ask for special substructure versions for filter houses and dedusters.

Accessories: Oil cooler for multi-shift operation; oil heating device; briquettes transportation pipeline

