



MPB 414
Portable Waste Compactor



REDUCE WASTE VOLUMES TO REDUCE WASTE COSTS!

COMPACTING WASTE GIVES YOU FINANCIAL HEADROOM

There's nothing as expensive as storing or transporting air.
Uncompacted waste fills up containers quickly.
And it's not just your bins that will overflow, so will your costs.

- > Resources will be tied up
- > Longer operating times
- > Inefficient use of space
- > Operational backlogs

BERGMANN WASTE MACHINERY

Whenever waste management becomes a problem and costs start to ramp up, BERGMANN is on hand with equipment solutions to come to rescue.

- > Increasing the tonnage of containers
- > Reducing transport costs and CO2 emissions
- > Reduced waste management space requirement
- > Increased operational efficiency
- > Reduction in manpower costs



BERGMANN - A 50 YEAR HERITAGE

STILL THE BEST - AND PROUD OF IT!

Good ideas dominate a market. The advantages speak for themselves. Others start adopting our ideas and discoveries for themselves. As a pioneer with 50 years' experience, we know that for functionality, quality and customer service no one can out-do us.

LISTENING TO CUSTOMERS PRODUCES RESULTS

Many of our successes have come from listening closely to customers and then developing solutions that not only solve current problems but future ones too.

YOU CAN ALWAYS RELY ON US

We have an extensive network of experienced technicians and engineers with a 15-year historical spare parts availability: the basics of our professional customer service offering.



BERGMANN MPB 414 - EXPERIENCE IN EVERY DETAIL



BERGMANN MPB 414 - ADVANTAGES

THE SELF-CLEANING, PENDULUM PISTON

The pendulum piston keeps the charge box clean. Consequently, the MPB 414 has no cleaning hatches.
A unique feature!

CONE-SHAPED CONTAINER- FOR EASIER EMPTYING

Our cone-shaped container solves emptying problems associated with cardboard, plastic foil and wet and residual waste.



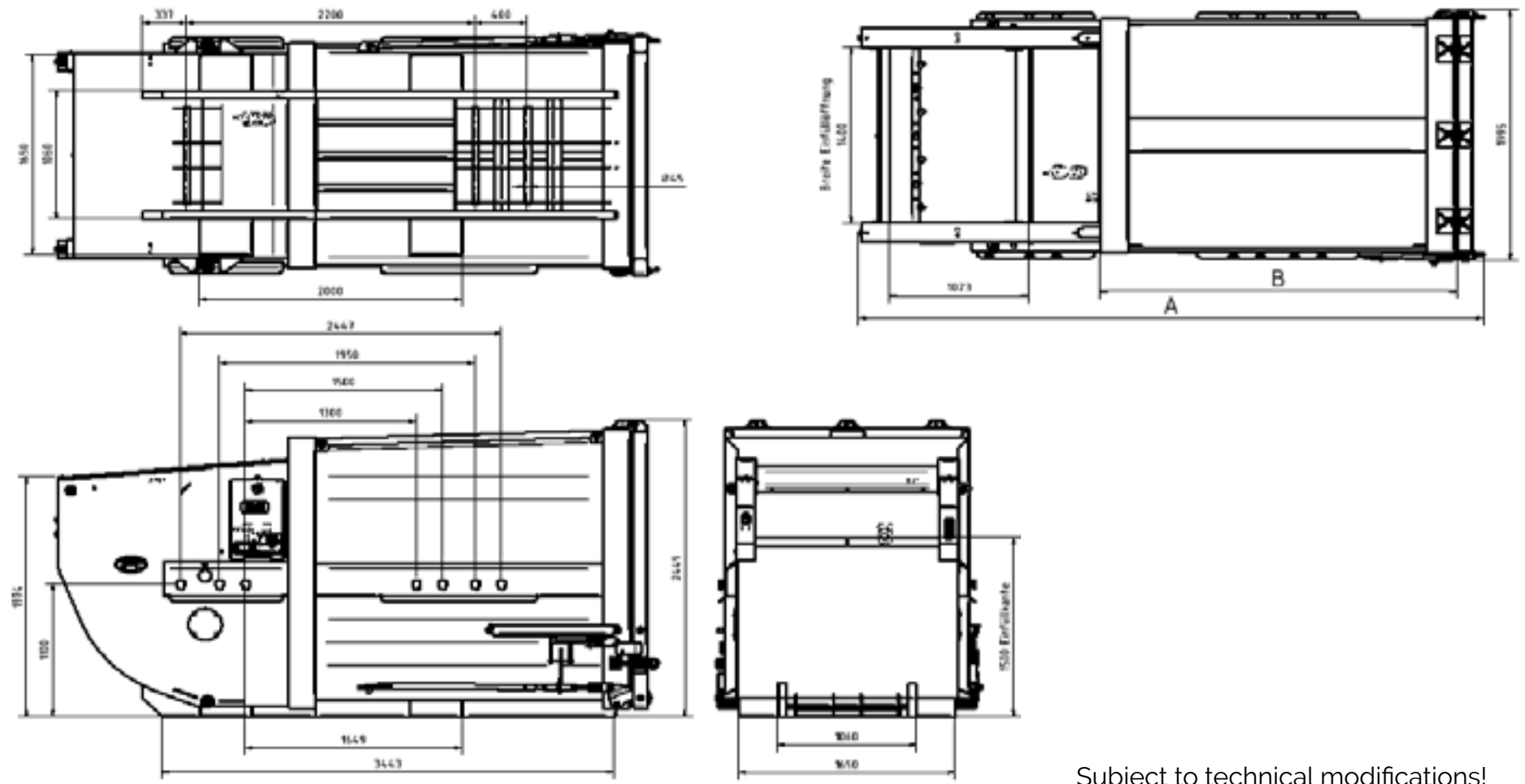
BERGMANN MPB 414 - 360° VIEW



WHICH MATERIALS CAN BE COMPACTED?



TECHNICAL DATASHEET



Subject to technical modifications!



BERGMANN MPB 414 - TRANSPORT



ACCESSORIES (1/11)

Name	Description	Articel number
	for filling of the compactor via a wall opening with the max. measures of h = 1000mm, w = 1500mm. The supports on right and left side of the shoot can be adjusted in height. The wall shoot is delivered in single parts incl. fastener. We recommend to use guide rails to avoid the collision of the compactor with the shoot. Painted in RAL 7016.	14 000 106
	to minimize unpleasant odours. The ozone generator is mounted in the aggregate room. The ozone will flow by means of a tube into the pressing chamber. A sufficient ventilation has to be ensured in closed rooms. Quantity of produced ozone: 0 - 200 mg/h	14 000 116
	After the signal '100% full' has been activated the machines switches automatically off. Only by switching off and on the main switch this function can be reseted and the machine can operate again. The accessory '100% full' has to be ordered separately.	14 000 125
	Special motor, wiring and contactor are designed for 220V and 400V. Electrical connection: 400V	14 000 311
	Hydraulic oil heating thermostatically regulated for temperatures under - 10 degrees C.	14 000 421



ACCESSORIES (2/11)

Name	Description	Article number
	Increases IP rating to IP65	14 000 423
	Allows the retro-fitting of a Bergmann bin-lifter. Profile plates, hydraulic block, electrical controls, piping to the filling edge (excluding the hydraulic pipes), control panel for two-handed operation and electrical controls included. This option is ONLY for the retro-fitting of a Bergmann bin lifter. Other makes are excluded.	14 000 502
	Additional components on the hydraulic unit to use a bin lift and a hydraulic lod opener.	14 000 504
	hinged at rear. Gas struts allow an easy opening, the support pole keeps the cover open, the excentric closing makes a safe closing during transport possible. Paint: RAL 7016 "anthracite grey"	14 000 513
	When opening the cover of the compactor the machine switches off automatically. To make a compaction with closed cover possible, the L-shaped cover is required in combination with this accessory.	14 000 519
	Side walls will be approx. 250 mm higher, the front wall approx. 240 mm higher. The total height of the sides amounts therefore to approx. 2.200 mm and the infill height is increased to approx. 1.785 mm. Paint: as RAL colour of machine	14 000 523



ACCESSORIES (3/11)

Name	Description	Article number
	Rubber seal all around discharge opening and testing of watertightness in our factory by filling the container with water. Additionally, two spindle closings will be mounted on the discharge door. For a proper function of the sealing it has to be maintained regularly and cleaned after each emptying. We do not give a guarantee for the operational reliability of the sealing.	14 000 545
	Additional key switch in control panel with positions ON and OFF. By switching of key the machine is ready for operation.	14 000 546
	for the discharging of bins with pinion lift. For bins with folding lid (hinged) or without lid. The two-hand-operation assures for the operator a secure tipping of the bin. A flashing light supports safety during movement of the bin-lifter. Max. load capacity: 300 kg As a standard the bin lifter can tip bins according to DIN-EN 840 with a width of 1260 mm and a pinion height of 1000 mm.	14 000 563
	in addition to the integrated lift tipping device with pinion lift. Bins with only one comb height can be lifted. The bin will be picked-up with a comb and will be fixed thanks to mechanical clamping in every position of the tipping operation. max. load capacity: approx. 400 kg As a standard the bin lifter can tip bins according to DIN-EN 840 with a comb and a comb height of 830 mm.	14 000 564



ACCESSORIES (4/11)

Name	Description	Article number
	of roller bin. For machines with cover and integrated lift-tipping device. The mechanical lid opener opens or closes automatically the swinging lid of a 1,1m³ roller bin (according to DIN 30700) when the lift-tipping device is operated. The cover of the machine has to be opened manually.	14 000 565
	für Maschinen ohne Abdeckhaube und mit integrierter Kipp-Vorrichtung. Der mechanische Deckelöffner ermöglicht das automatische Öffnen und Schließen des Schwingdeckels eines 1,1 m³ Rollbehälters (nach DIN 30700), wenn die Kipp-Vorrichtung betätigt wird.	14 000 566
	Preparation inside the electrical cabinet 5 V DC with antenna for a later installation of a GSM unit.	14 000 669
	Start button is replaced by key switch with the positions on/off. The machine can only be started with the key. After pulling off the key the machine operates for the indicated time or switches off by pressing the OFF button or emergency stop. Restarting of the machine can only be done with the key.	14 000 779
	Electrical extension for transferring a state from or to the machine, e.g. starting of the machine due to the signal of an external control "conveyer has started".	14 000 781
	A 16 pole plug connection is mounted outside on the compaction unit on a user-defined position. All signals and functions of the standard control panel will be transferred to the plug connection.	14 000 784



ACCESSORIES (5/11)

Name	Description	Article number
	Allows the sending of two signals (e.g. 75% full, low oil level) by SMS text or email directly to five receivers and a further ten emails via the Bergmann server. Operating hours can be recorded and requested as well as reliable GPS positioning of the compactor is possible. Easy remote programming from your office or PC with tablet or smartphone. Expandable for diagnostics and remote maintenance. Includes a robust antenna for GPC/GSM signal. Analysis and management of data over the Bergmann Service Portal. Requires customer to obtain the SIM card. The PIN-request must be de-activated. The SIM card must allow GPRS roaming. Frequencies 850, 900, 1800, 1900 MHz. Transmissions such as 75% full are not included. Part includes: GSM module, antenna, power pack, potential-free contact and various electrical components.	14 000 787
	Hydraulic opening of the cover by pressing a separate start-button opens the lid up to 80° as a standard. The machine has to be in operation to enable the opening of the cover.	14 000 797
	Lid inclusive automatic opening function with integrated bin lift On operation the cover over the inlet opening will mechanically be opened by a bar. This function is only possible in combination with bins with hinged lid or no lid!	14 000 798
	Set of 8 stickers (2 each for front back, sides) made from reflective plastic compliant with DIN 67520. Dimensions: L=701mm W=141 mm.	20 000 800



ACCESSORIES (6/11)

Name	Description	Article number
	Rolls (150 mm wide) fixed below the compaction chamber for easy manoeuvring of the MPB. The outside distance of rollers is 1.650mm.	14 000 808
	Rolls (150 mm wide) fixed at rear of machine for easy manoeuvring of the MPB. The outside distance of rollers is 1.740mm..	14 000 809
	The inlet opening on left and right side is increased by approx. 340 mm.	14 000 824
	Die zweiteilige Abdeckhaube ist links und rechts angeschlagen und von der Mitte her hochklappbar. Vereinfachtes Öffnen des Deckels durch Gasdruckfederentlastung, zwei Stützstangen halten die Deckelteile geöffnet, welche somit auch als Seitenwanderhöhung dienen können. Das Schott erhöht die Einfüllkante um 300mm. Durch den Excenterverschluss wird ein sicheres Verschließen während des Transportes ermöglicht. Lackierung: in RAL 7016 Anthrazitgrau	14 000 826
	The screwable front wall will be increased by approx. 250 mm so that the total height of inlet opening will be approx. 1.730 mm. Paint: RAL 7016 anthracitegrey	14 000 831
	The cover over inlet opening is L-shaped. This enables an operation of the machine also with closed cover.	14 000 832
	with edge protecting rubber profile. All four sides of the cover are sealed.	14 000 833



ACCESSORIES (7/11)

Name	Description	Articel number
	on discharge opening up to height of 1.000 mm. For a proper function of the sealing it has to be maintained regularly and cleaned after each emptying. We do not give a guarantee for the operational reliability of the sealing.	14 000 834
	indicated by a yellow signal lamp in control panel.	14 000 836
	on control panel, incl. a padlock. When the cover is closed the emergency stop button is automatically activated.	14 000 839
	Preparation for start-up by photoelectric cell The machine is equipped with a photoelectric-cell which is not integrated or connected to the control. The installation of the photoelectric cell in the machine control has to be effected only by an electric specialist. The operating company has to carry out a risk evaluation and has to keep records accordingly. The operating company has to make sure that no person is able to enter the danger zone.	14 000 841
	This accessory detects if the start button or the photo cell has been manipulated. An unwanted continous operation will be prohibited herby.	14 000 842
	The filling level of the machine can be continuously monitored.	20 000 843
	with locking cap for fire hose. Mounted in the upper part of container on right hand side (in compaction direction).	20 000 844
	indicated by a red signal lamp in control panel.	20 000 847



ACCESSORIES (8/11)

Name	Description	Article number
	reduces the pressing cycle from approx. 29 sec. to only approx. 24 sec. Technical Data: forward cycle (differential): approx. 16 sec., return cycle: approx. 8 sec.	14 000 850
	with chute for the discharging of bins with pinion lift as well as comb lift. Usable for bins with flap lid (hinged) or without lid. The two-hand-operation assures for the operator a secure tipping of the bin. The drive will be effected by switching of the hydraulic pump from press cylinder to stroke cylinder. A flashing light supports safety during movement of the binlifter. Max. load capacity: 600 kg Pinion: As a standard the bin lifter can tip bins according to DIN-EN 840 with a width of 1260 mm and a pinion height from 940 mm to 1380 mm. Comb: As a standard the bin lifter can tip bins according to DIN-EN 840 with a comb height from 820 mm to 1120 mm as e.g. 120, 240, 360, 660, 77 0 and 1100 litre-bins.	14 000 861
	After the adjusted running time the piston stops automatically under the breakwall. The container opening is thus closed by the piston and the material will not creep out.	14 000 866
	mounted on right hand side (in compaction direction) on the lowest position on pack bin to empty liquid from the container.	14 000 867
	incl. metal protection casing with 5 m cable. The 16 pole multiway plug makes it easy to connect and disconnect the remote control. The standard control panel on the machine is not applied, but an additional emergency stop button is fixed on the machine. On delivery of the machine the remote control will be inside the inlet opening of the compactor!	14 000 868



ACCESSORIES (9/11)

Name	Description	Article number
	in addition to standard control panel, with 5 m cable, multipole plug and plug match on machine. Standard control panel will remain on machine. All function of the machine keyboard (except bin-lifter) will also be on the remote control. The remote control will be inside the inlet opening of machine during transport.	14 000 869
	mounted in compaction direction on right side on charge box in front at bottom.	14 000 872
	The start panel will be mounted in high position in the front on the right hand side. Suitable for filling from ramp. The emergency stop button will also be raised.	14 000 881
	After the adjusted running time the piston stops automatically in front at the inlet opening.	14 000 882
	Additional option load cell for bin lift incl. initial calibration Waste disposal according to the polluter's needs by weighing the waste containers. Control by means of a database system. EU calibrated, class III. Load cell mounted on the tipping frame of the bin lift for recording weight data. Control cabinet for load cell integrated in the side of the MPB 414 compactor. Note: Option only available with lift-tilt device! Option for tilting device technically NOT possible. Optional recommended equipment: Cover including mechanical hood opening via bin lift.	14 000 900



ACCESSORIES (10/11)

Name	Description	Article number
	direction of motor engine can be changed without reconnecting the connection cable.	50 000 343
	Attention! Pre-fuse on site max. 16 A!	50 000 346
	direction of motor engine can be changed without reconnecting the connection cable. Attention! Pre-fuse on site max. 16 A!	50 000 347
	CEE Plug adapter from 32 A to 16A plug. The main fuse protection of the power supply has to be checked by the customer. The adapter could be found on delivery at the hook or inside the hydraulic aggregate room.	50 000 349
	5m extension for 16A cable with a 16A socket and plug. Excludes phase-changer. IP44 protection.	50 000 364
	5m extension for 32A cable with a 32A socket and plug. Excludes phase-changer. IP44 protection.	50 000 367
	Painting in 2 special RAL colours.	50 000 443
	Silent running cell pump instead of geared pumpe (single pump) and an absorbing pump carrier for a noise reduction of up to max. ≥ 8 dB(A).	50 210 851



ACCESSORIES (11/11)

Name	Description	Article number
	Bio-oil in the hydraulic system. Please check with the factory beforehand.	50 000 893
	High viscosity ultra-low temperature oil in the hydraulic system. Please check with the factory beforehand.	50 000 895
	RAL specification on demand	50 000 899
	2500mm long for the correct positioning of the compactor. Requires flat hard surface. Protects the underlying surface from wear. Requires 180mm clearance under the compactor. Painted in anthracite grey RAL 7016.	51 880 000
	Pegs to fix the guide rails to the ground.	51 881 000





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