



// EUROPRESS UMWELTECHNIK GMBH

COMPACTION TECHNOLOGY

Less stress from compact packages



// EUROPRESS UMWELTTECHNIK

Individual Solutions - Tailored to our customers' needs

Europress Umwelttechnik develops, designs and manufactures customer-specific solutions for transporting, dosing, sorting, compacting and tying of a wide variety of materials.



Compaction at highest level.

Waste can cause massive costs due to its high transport and storage volume. State-of-the-art channel balers are an effective and economically convincing solution for this problem. Channel baling presses are compact machines for the compression of various materials. They compact paper, cardboard, plastics, films, PET-bottles, wood wool and many other waste products to facilitate storage, handling, transport and possible marketing activities.

SOLUTIONS ACCORDING TO REQUIRED POWER

EUROPRESS is specialised in the development and manufacture of modern channel baling presses which are directly tailored to the specific customers' needs.

We design the waste presses in a way that they can be optimally integrated into existing production processes and provide the performance that is truly needed.

Application	Pressing force [t]	Machine type	Bale dimensions [mm]	Tying	Page
Our innovative series EP is the best-price solution for industrial applications with small to medium material loads.	60	EP Mobil 60 V	1,100 x 750	V5	4-5
	60	EP 60 H	1,100 x 750	H4	6-7
		EP 60 HH	1,100 x 750	H5	
		EP 60 V	1,100 x 750	V4	
		EP 80 H	1,100 x 750	H4	
	80	EP 80 HH	1,100 x 750	H5	
		EP 80 V	1,100 x 750	V5	
		120	EP-B 120 H	1,100 x 1,100	
	EP-B 120 V		1,100 x 1,100	V5	
	EP-B 120 VH		1,100 x 1,100	V5 / H4	
Increase of the pressing power is available as an option!					
Our series HP presents the advancement of our well-known channel baling press in welded design. These machines are specifically designed for use in large-scale industry and waste disposal and thus for the compaction of heavy and/or abrasive materials.	100	HP 100 H	1,100 x 750	H4	8-9
		HP 100 V	1,100 x 750	V5	
		HP 100 VH	1,100 x 750	V5 / H4	
		HP 120 H	1,100 x 750	H4	
	120	HP 120 V	1,100 x 750	V5	
		HP 120 VH	1,100 x 750	V5 / H4	
		150	HP 150 H	1,100 x 750	
	HP 150 V		1,100 x 750	V5	
	HP 150 VH		1,100 x 750	V5 / H4	
	180		HP 180 H	1,100 x 750	
		HP 180 V	1,100 x 750	V5	
		HP 180 VH	1,100 x 750	V5 / H4	
Those channel balers are equipped with a twine tying device and can therefore be used for agricultural or further applications.	60-90	HPG 60-90	1,100 x 750	VG6	10-11
	100-120	HPG 100-120	1,100 x 750	VG6	
	150-180	HPG 150-180	1,100 x 750	VG6	
Our channel baling presses of series HP-B are specifically characterised by large bale dimensions and correspondingly high bale weights.	120	HP-B 120 H	1,100 x 1,100	H4	12-13
		HP-B 120 V	1,100 x 1,100	V5	
		HP-B 120 VH	1,100 x 1,100	V5 / H4	
	150	HP-B 150 H/G	1,100 x 1,100	H5	
		HP-B 150 V	1,100 x 1,100	V5	
		HP-B 150 VH/G	1,100 x 1,100	V5 / H4 / H5	
		HP-B 180 H/G	1,100 x 1,100	H5	
	180	HP-B 180 V	1,100 x 1,100	V5	
		HP-B 180 VH/G	1,100 x 1,100	V5 / H5	
		210	HP-B 210 H/G	1,100 x 1,100	
	HP-B 210 V		1,100 x 1,100	V5	
	HP-B 210 VH/G		1,100 x 1,100	V5 / H5	
Bulkhead compactors Small series	80	PEP 80	400 x 400	-	14-15
	100	PEP 100	400 x 400	-	
	150	PEP 150	600 x 600	-	
Bulkhead compactors Large series	100	SPAL 100	700 x 1,100	-	16-17
	150	SPAL 150	700 x 1,100	-	
	180	SPAL 180	700 x 1,100	-	



// MOBILE CHANNEL BALING PRESSES EP MOBIL 60 V

Compaction right on site

HIGHLIGHTS

- Mobile hook lift solution
- Pressing power of 60 tons
- Piston bottom slider
- Height adjustment of the compaction ram
- Sturdy design of the basic frame
- Highest flexibility
- Simple handling
- High-performance
- Reliable



APPLICATIONS

There are different areas of use for the mobile channel baling presses. The flexible machines can be used at changing sites for compressing waste products. Materials such as paper,

cardboard and plastics, but also natural waste of different kinds, are pressed to firm bales which require much lower effort for storage and transport and are suitable for reuse.

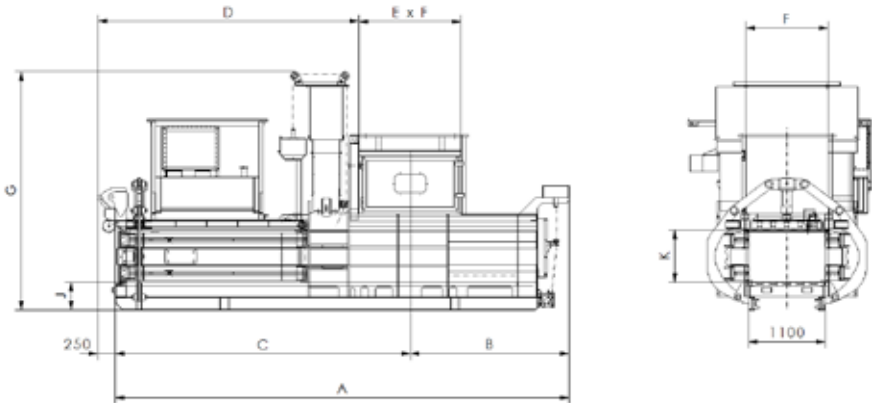


TECHNICAL DATA

	EP MOBIL 60 V
Tying	V5
Pressing power [t]	60
Specific pressure [N/cm²]	69.6
Filling chute cross-section [mm]	1,100 x 1,450
Channel cross-section [mm]	750 x 1,100
Drive output [kW] (exemplary)	22 / 30 / 45 / 2 x 22
Bale weight [kg] *	400 - 550
Bale length [m]	up to 1.8
Total weight [t]	12

WEIGHT PERFORMANCE DEP. ON BULK WEIGHT (THEORETICAL) IN TONS PER HOUR	
20 - 30 kg/cm³	11
35 - 50 kg/cm³	18
60 kg/cm³	22
100 kg/cm³	36

* depending on the incoming material and material density Technical and design modifications reserved!



DIMENSIONS	A	B	C	D	E	F	G	J	K
EP 60	6,395	2,235	4,410	3,686	1,450	1,160	3,350	400	750



Further information:
WWW.EUROPRESS-UMWELTTECHNIK.DE



// CHANNEL BALING PRESSES WITH WIRE TYING SERIES EP

Best-price solution for the compaction of small material loads

HIGHLIGHTS

- Suitable for industrial applications with small to medium material loads
- Edged compaction chamber
- Pressing power between 60 and 210 tons
- Low space requirements
- Height adjustment of the compaction ram
- Sturdy design of the basic frame
- Simple handling
- High-performance
- Reliable



APPLICATIONS

Whether in distribution centres, paper mills, print shops or for similar industrial applications, channel balers of series EP 60, EP 80 and EP-B 120 can be used for many tasks in companies with small to medium material loads.

Waste materials such as paper, cardboard or also foils and PET can be compressed without great effort in a fully-automatic mode.



TECHNICAL DATA

	EP 60	EP 80	EP-B 120***
Tying	H4 / HH5 / V5	H4 / HH5 / V5	H4 / V5 / V5 H4
Pressing power [t] **	60	80	120
Specific pressure [N/cm ²]	72.7	97	145.5
Filling chute cross-section [mm]	1,000 x 1,600	1,000 x 1,800	1,000 x 2,000
Channel cross-section [mm]	750 x 1,100	750 x 1,100	1,100 x 1,100
Drive output [kW] (exemplary)	22 - 2x45	22 - 2x45	45 - 2x75
Bale weight [kg] *	400 - 500	500 - 700	750 - 1,200
Bale length [m]	up to 1.8	up to 2.0	up to 2.0
Total weight [t]	18.5	19.5	47

WEIGHT PERFORMANCE DEP. ON BULK WEIGHT (THEORETICAL) IN TONS PER HOUR

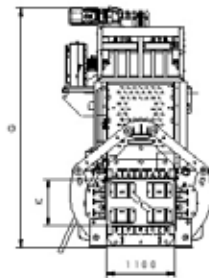
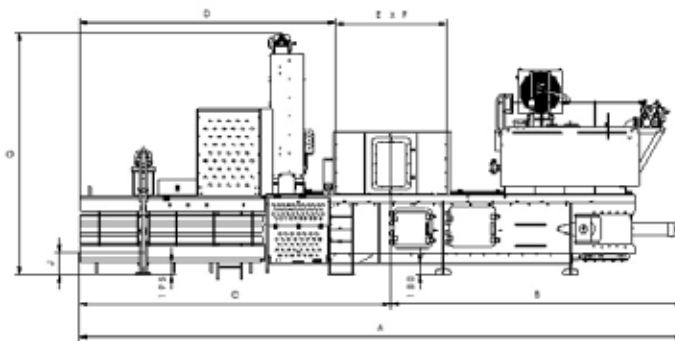
20 - 30 kg/cm ³	7 - 32	7 - 33	7 - 28
35 - 50 kg/cm ³	12 - 53	12 - 56	12 - 47
60 kg/cm ³	14 - 64	14 - 67	14 - 56
100 kg/cm ³	24 - 107	23 - 111	24 - 93

* depending on the incoming material and material density

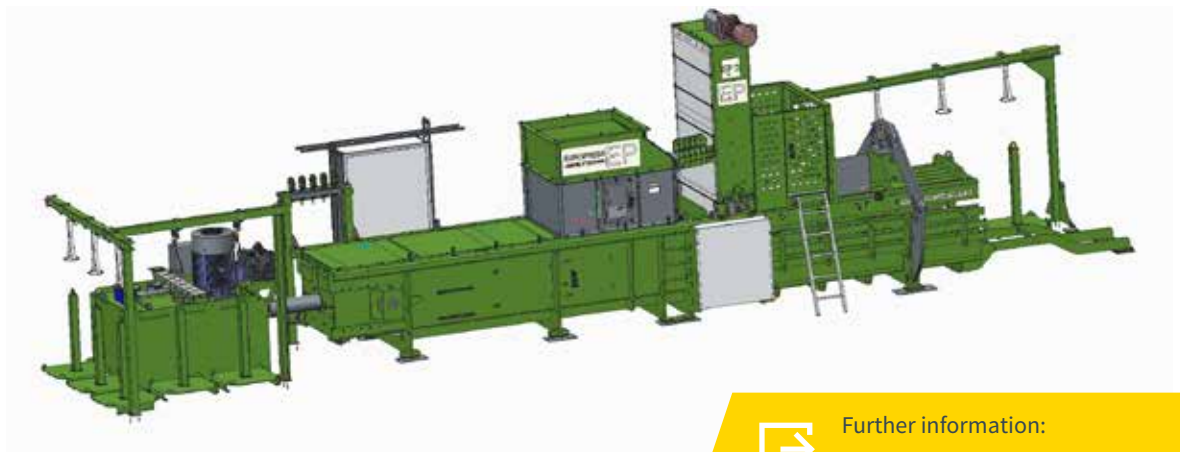
** Increase of the pressing power is available as an option!

*** in shaped design

Technical and design modifications reserved!



DIMENSIONS	A	B	C	D	E	F	G	J	K
EP 60	9,801	4,835	4,965	4,146	1,600	1,000	3,906	355	750
EP 80	10,014	4,980	5,035	4,180	1,600	1,000	5,098	355	750
EP-B 120	14,383	5,823	8,560	7,560	2,000	1,000	5,098	785	1,100



Further information:

WWW.EUROPRESS-UMWELTECHNIK.DE



// CHANNEL BALING PRESSES WITH WIRE TYING SERIES HP

Efficient compaction of medium to high material volumes

HIGHLIGHTS

- Suitable for industrial applications with medium to high material loads
- Designed for the use in sorting plants
- High compression and high bale weights
- Height adjustment of the compaction ram
- Sturdy design of the basic frame
- Simple handling
- High-performance
- Reliable



APPLICATIONS

Channel baling presses of series HP are designed for the use in waste disposal companies, document shredding companies or for the disposal of PET bottles.

All common materials such as paper, cardboard, PET or plastics can be compressed without great effort.

TECHNICAL DATA

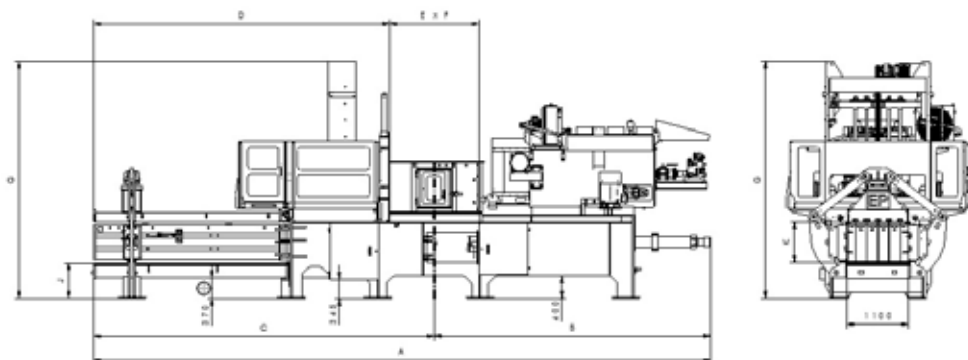
	HP 100	HP 120	HP 150	HP 180
Tying	H4 / HH5 / V5 / V5 H4	H4 / HH5 / V5 / V5 H4	H4 / HH5 / V5 / V5 H4	H4 / HH5 / V5 / V5 H4
Pressing power [t]	100	120	150	180
Specific pressure [N/cm ²]	121.2	145.5	181.8	218.2
Filling chute cross-section [mm]	1,000 x 2,000	1,000 x 2,000	1,000 x 2,000	1,000 x 2,000
Channel cross-section [mm]	750 x 1,100	750 x 1,100	750 x 1,100	750 x 1,100
Drive output [kW] (exemplary)	45 - 2x75	45 - 2x75	45 - 3x75	45 - 3x75
Bale weight [kg] *	500 - 800	500 - 700	500 - 800	600 - 900
Bale length [m]	up to 2.0	up to 2.0	up to 2.0	up to 2.0
Total weight [t]	approx. 30	approx. 32	approx. 35	approx. 36

WEIGHT PERFORMANCE DEP. ON BULK WEIGHT (THEORETICAL) IN TONS PER HOUR

20 - 30 kg/cm ³	6 - 34	7 - 28	6 - 35	5 - 30
35 - 50 kg/cm ³	10 - 56	12 - 47	10 - 59	9 - 50
60 kg/cm ³	12 - 67	14 - 56	12 - 71	10 - 60
100 kg/cm ³	20 - 112	24 - 94	20 - 118	17 - 100

* depending on the incoming material and material density

Technical and design modifications reserved!



DIMENSIONS	A	B	C	D	E	F	G	J	K
HP 100 / HP 120	12,806	5,669	7,137	6,137	2,000	1,000	4,250	635	750
HP 150 / HP 180	13,906	5,969	7,937	6,937	2,000	1,000	4,250	635	750



Further information:

WWW.EUROPRESS-UMWELTECHNIK.DE



HIGHLIGHTS

- Special design for agricultural applications
- Height adjustment of the compaction ram
- High compression and high bale weights
- Sturdy design of the basic frame
- Simple handling
- High-performance
- Reliable
- Lower operating costs due to twine tying
- Reduction of foil inserts in combination with a bale wrapping unit



APPLICATIONS

The channel baling presses with twine tying (series HPG) are especially designed for agricultural applications. The use of PP twine allows a more efficient way of compressing straw, hay, alfalfa or other feeding stuff.

Furthermore, these channel baling presses can be used for material compaction of alternative fuels or landfill substances.



TECHNICAL DATA

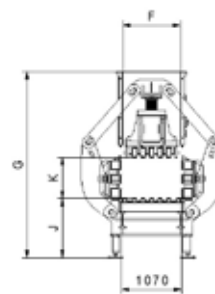
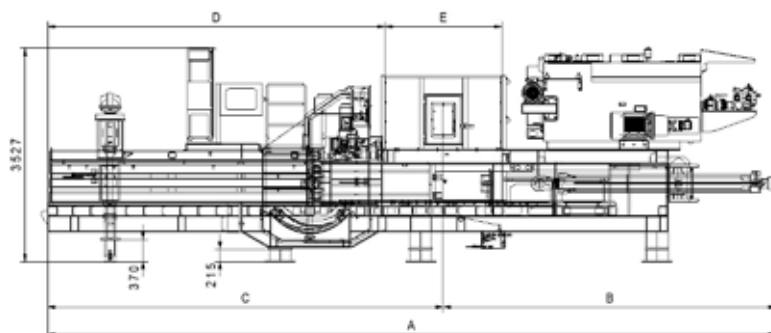
	HPG 60-90	HPG 100-120	HPG 150-180
Tying	VG 6	VG 6	VG 6
Pressing power [t]	60 - 90	100 - 120	150 - 180
Filling chute cross-section [mm]	1,000 x 2,000	1,000 x 2,000	1,000 x 2,000
Channel cross-section [mm]	750 x 1,100	750 x 1,100	750 x 1,100
Drive output [kW] (exemplary)	45 - 2x75	45 - 2x75	45 - 3x75
Bale weight [kg] *	250 - 600	250 - 700	250 - 800
Bale length [m]	up to 2.0	up to 2.0	up to 2.0
Total weight [t]	28	33.5	37.5

WEIGHT PERFORMANCE DEP. ON BULK WEIGHT (THEORETICAL) IN TONS PER HOUR

20 - 30 kg/cm ³	6 - 34	7 - 28	6 - 35
35 - 50 kg/cm ³	10 - 56	12 - 47	10 - 59
60 kg/cm ³	12 - 67	14 - 56	12 - 71
100 kg/cm ³	20 - 112	24 - 94	20 - 118

* depending on the incoming material and material density

Technical and design modifications reserved!



DIMENSIONS	A	B	C	D	E	F	G	J	K
HPG 60-90	9,500	4,435	5,150	4,385	2,000	1,000	3,105	980	750
HPG 100-120	12,070	5,510	6,560	5,590	2,000	1,000	3,075	980	750
HPG 150-180	13,015	5,750	2,765	6,265	2,000	1,000	3,085	980	750



Further information:

WWW.EUROPRESS-UMWELTECHNIK.DE



// CHANNEL BALING PRESSES WITH WIRE AND TWINE TYING
SERIES HP-B

Ideal for high demands and high material volumes

HIGHLIGHTS

- Suitable for high and heavy material loads
- Wide range of applications thanks to an optional twine tying
- High pressing power up to 210 tons
- Large filling opening
- Large bale size (1,100 x 1,100 mm)
- Height adjustment of the compactor ram
- High-performance
- Reliable
- Available with twine tying as an option



APPLICATIONS

The channel balers of series HP-B achieve an enormous bale weight due to their large bale size. This series is particularly characterised by the efficient compaction of large material volumes. Therefore, it is of great interest for large waste

disposal companies or also for the printing and paper industry. The optionally available twine tying unit makes this compactor series particularly interesting for agricultural applications.

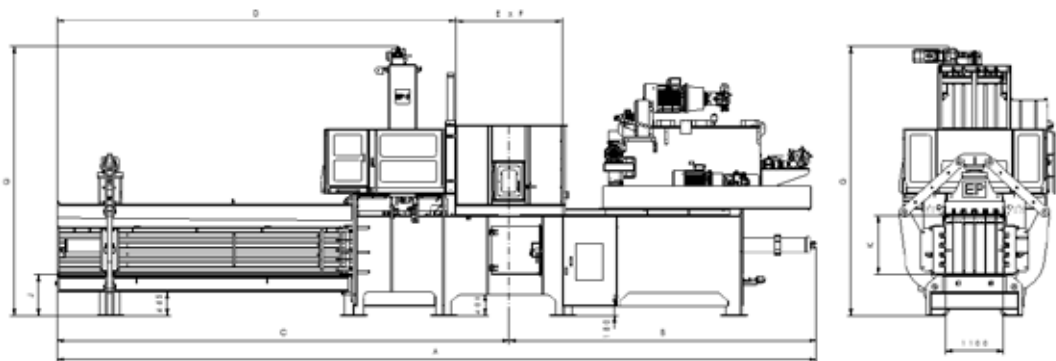


TECHNICAL DATA

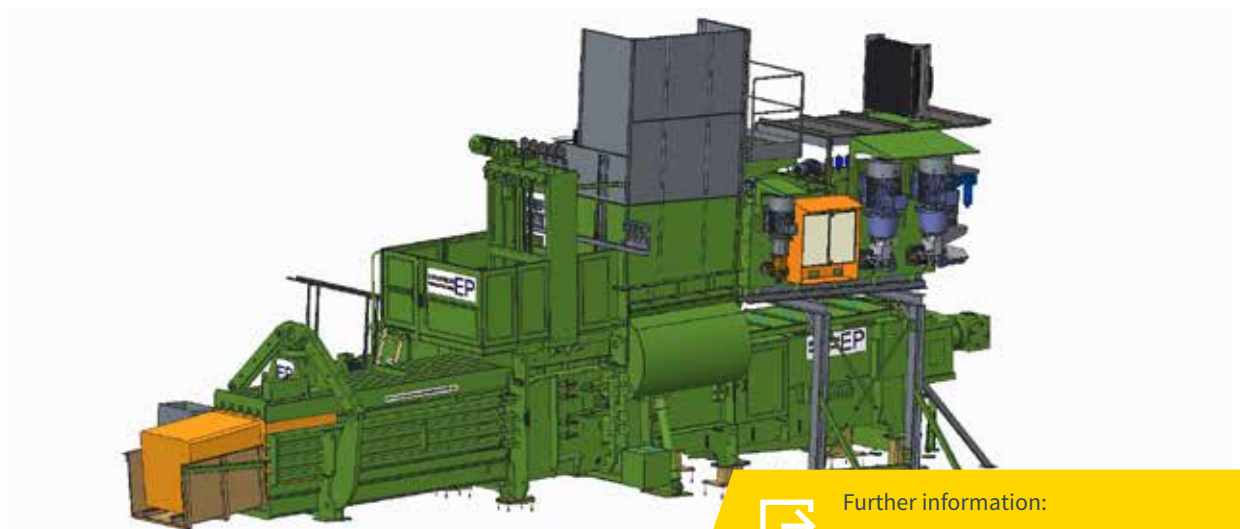
	HP-B 120	HP-B 150	HP-B 180	HP-B 210
Tying	H4 / V5 / V5 H4	H4 / HH5 / V5 / V5 H4	H4 / HH5 / V5 / V5 H4	H4 / HH5 / V5 / V5 H4
Pressing power [t]	120	150	180	210
Specific pressure [N/cm ²]	145.5	181.8	218.2	254.5
Filling chute cross-section [mm]	1,000 x 2,000	1,000 x 2,000	1,000 x 2,000	1,000 x 2,000
Channel cross-section [mm]	1,100 x 1,100	1,100 x 1,100	1,100 x 1,100	1,100 x 1,100
Drive output [kW] (exemplary)	45 - 2x75	45 - 2x75	45 - 3x75	45 - 3x75
Bale weight [kg] *	750 - 1,200	1,100 - 1,700	1,100 - 1,800	1,100 - 1,900
Bale length [m]	up to 2.0	up to 2.0	up to 2.0	up to 2.0
Total weight [t]	approx. 47	approx. 58	approx. 58	approx. 58
WEIGHT PERFORMANCE DEP. ON BULK WEIGHT (THEORETICAL) IN TONS PER HOUR				
20 - 30 kg/cm ³	7 - 28	6 - 35	4 - 21	4 - 26
35 - 50 kg/cm ³	12 - 47	10 - 59	6 - 35	7 - 43
60 kg/cm ³	14 - 56	12 - 70	7 - 42	9 - 52
100 kg/cm ³	24 - 93	14 - 82	12 - 70	15 - 86

* depending on the incoming material and material density

Technical and design modifications reserved!



DIMENSIONS	A	B	C	D	E	F	G	J	K
HP-B 120 / HP-B 150	14,383	5,823	8,560	7,560	2,000	1,000	5,098	785	1,100
HP-B 180 / HP-B 210	15,483	6,123	9,360	8,360	2,000	1,000	5,098	785	1,100



Further information:

WWW.EUROPRESS-UMWELTECHNIK.DE



// BULKHEAD COMPACTORS SMALL FORMAT

Efficient compression of bulky sheet metal

HIGHLIGHTS

- Height adjustment of the compactor ram
- Variable bale dimensions of 400 x 400 and 600 x 600 mm available
- Energy saving due to axial piston pump
- Control unit: ET 200 S (Siemens)
- Optionally available with remote control
- Easy to maintain



APPLICATIONS

The fully-automatic bulkhead compactors can be equipped with optional accessories such as lift and tipping devices, thus adapting them to individual customer requirements.

They are used in the metal and aluminium processing industry, in waste disposal companies, and those specialising in plastic recycling as well as for large industrial applications.

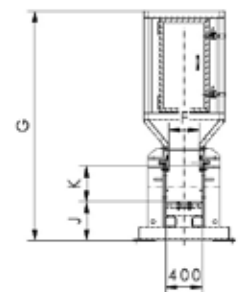
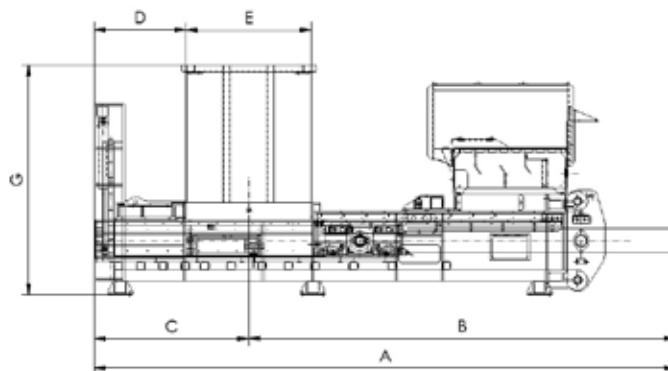


TECHNICAL DATA

	PEP 80	PEP 100	PEP 150
Pressing power [t]	80	100	150
Specific pressure [N/cm ²]	500	625	417
Filling chute cross-section [mm]	850 x 340	850 x 340	850 x 540
Channel cross-section [mm]	400 x 400	400 x 400	600 x 600
Drive output [kW] (exemplary)	22	22	22 - 30
Package weight [kg] *	40 - 50	50 - 60	140 - 160
Package length [m]	0.1 - 0.45	0.1 - 0.45	0.1 - 0.6
Total weight [t]	10	11	12

* depending on the incoming material and material density

Technical and design modifications reserved!



DIMENSIONS	A	B	C	D	E	F	G	J	K
PEP 80 / PEP 100	6,500	4,775	1,725	1,025	850	340	2,563	430	400
PEP 150	6,700	4,775	1,925	1,225	850	340	2,763	430	600



Further information:
WWW.EUROPRESS-UMWELTTECHNIK.DE



// BULKHEAD COMPACTORS LARGE FORMAT

For great performance in sheet compaction

HIGHLIGHTS

- Height adjustment of the compactor ram
- Bale dimensions of 700 x 1,000 mm
- Large material filling chute
- Energy saving due to axial piston pump
- Control unit: ET 200 S (Siemens)
- Optionally available with remote control
- Easy to maintain



APPLICATIONS

Our large-size bulkhead compactors are efficient power packs used in the metal and aluminium processing industry as well as in waste disposal companies and for large

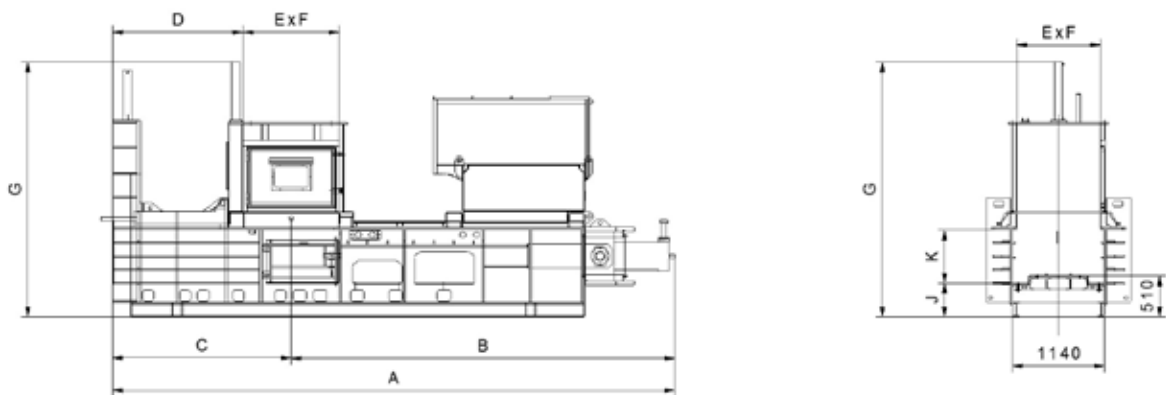
industrial applications. They can be used reliably for a long period of time.



TECHNICAL DATA

	SP AL 100	SP AL 150	SP AL 180
Pressing power [t]	100	150	180
Specific pressure [N/cm²]	130	195	234
Filling chute cross-section [mm]	1,200 x 1,040	1,200 x 1,040	1,200 x 1,040
Channel cross-section [mm]	700 x 1,100	700 x 1,100	700 x 1,100
Drive output [kW] (exemplary)	45	45	45
Bale weight [kg] *	400 - 500	400 - 500	400 - 500
Bale length [m]	up to 0.7	up to 0.7	up to 0.7
Total weight [t]	25	25	25

* depending on the incoming material and material density Technical and design modifications reserved!



DIMENSIONS	A	B	C	D	E	F	G	J	K
SP AL 100	7,000	4,780	2,225	1,625	1,200	1,040	3,170	420	700
SP AL 150	7,000	4,780	2,225	1,625	1,200	1,040	3,170	420	700
SP AL 180	7,000	4,780	2,225	1,625	1,200	1,040	3,170	420	700



Further information:
WWW.EUROPRESS-UMWELTTECHNIK.DE



// STANDARD EQUIPMENT OF OUR CHANNEL BALING PRESSES

The high Standard

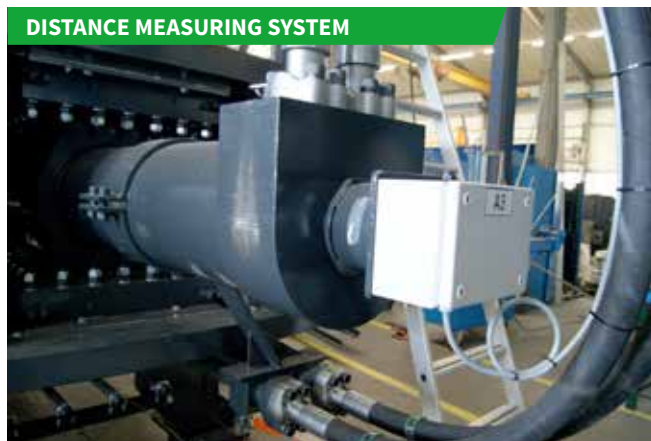
VERTICAL HINGE



- Vertically mounted cylinder bearing seat to reduce inclined positions caused by mechanical wear

- Displacement measuring system integrated in the cylinder: measuring system via a lance
- No separate position sensors required
- Optimum position detection of the compactor ram

DISTANCE MEASURING SYSTEM



OPTIMISED CUTTING EDGE GEOMETRY



OPTIMISED CUTTING EDGE GEOMETRY



- Small blade segments on the press ram
- Higher and more effective cutting force
- The cutting force is directed into and not out of the bale, resulting in less wear on the knives and side walls
- Multiple blade segments for reduced spare parts costs and faster replacement

- Situated on the ram
- For adjustment or readjustment of the rollers situated on the ram
- For reduction of wear and tear and adjustment for an optimised knife gap

ADJUSTABLE ROLLERS



CONTROL UNIT SIEMENS S7



- Equipped with push-buttons for a simple manual control of the compactors
- Touch display for monitoring various information such as operating hours, bale length, pressing power etc. and for setting different pressing programs



// PREMIUM EQUIPMENT FOR OUR CHANNEL BALING TYING

Better than well equipped

FREE STAMPER



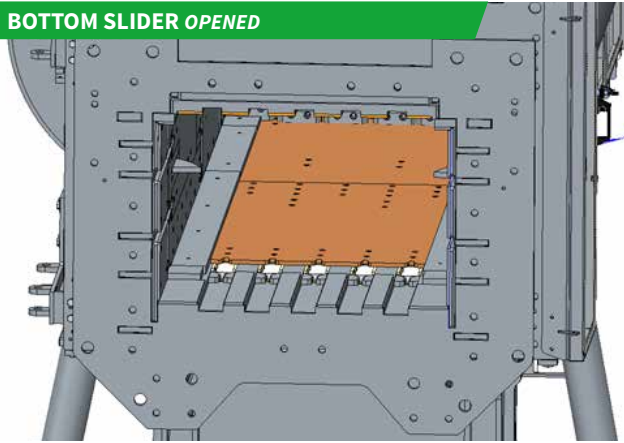
- Free stamper along the complete ram width (can also be retrofitted)
- Presses the material below the cutting edge for removing material blockages
- Scanning of the end position via two separate position sensors, electronic and mechanical

- Our fast moving cylinder increases the compactor performance while at the same time saving energy

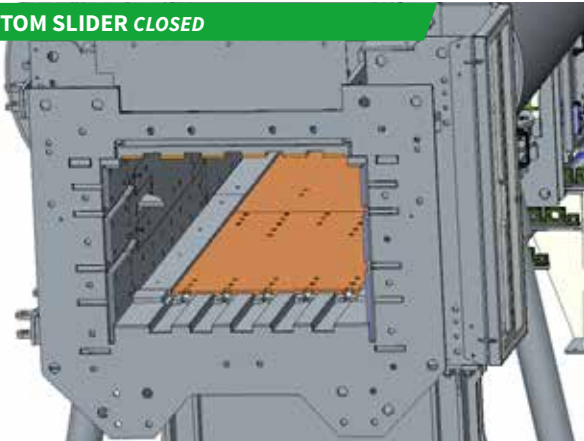
FAST MOVING CYLINDER



BOTTOM SLIDER OPENED



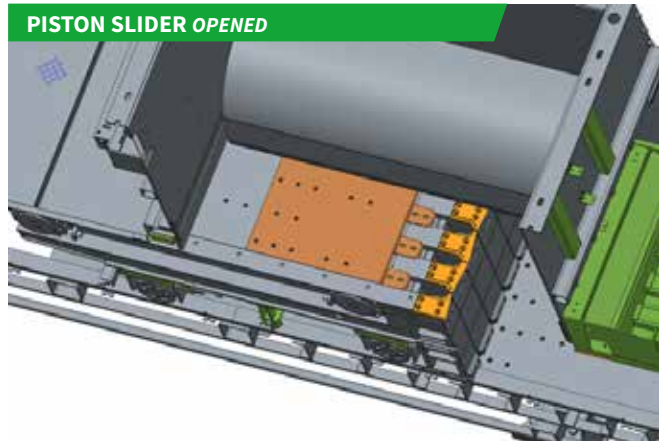
BOTTOM SLIDER CLOSED



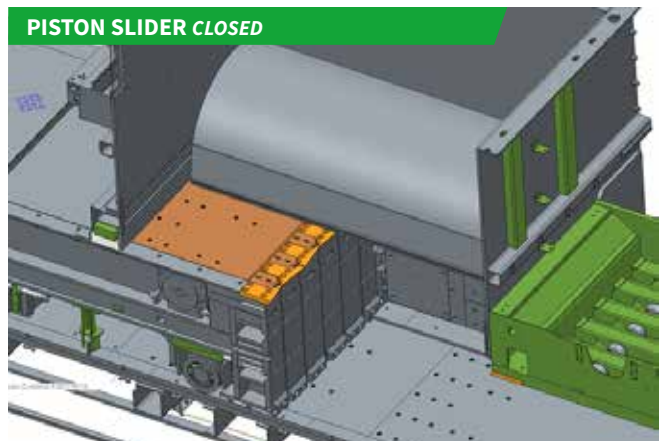
- In the tying position, the bottom slider is opened.
- In the operating position, the bottom slider is closed.
- The bottom slider prevents fine material from passing through the openings and thus ensures a trouble-free tying of the bales. This is especially required when compressing splintering and small-sized materials.

- In the tying position, the piston slider is opened.
- In the operating position, the piston slider is closed.
- The piston slider prevents fine material from entering the ducts and thus ensures a trouble-free tying of the bales. This is especially required when compressing splintering and small-sized materials.

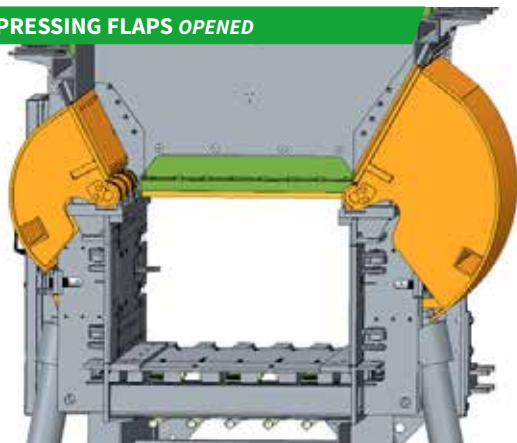
PISTON SLIDER OPENED



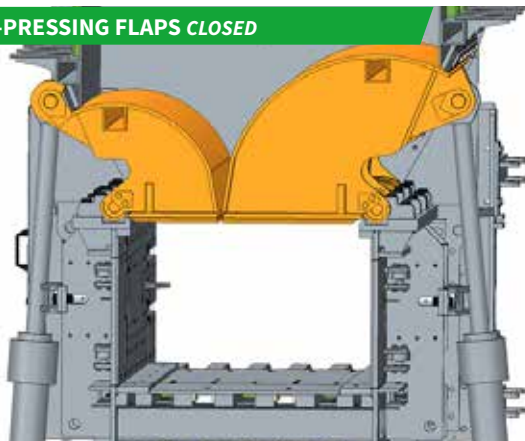
PISTON SLIDER CLOSED



PRE-PRESSING FLAPS OPENED



PRE-PRESSING FLAPS CLOSED



- The lateral pre-pressing flaps offer the possibility to pre-compact the material for facilitating supply to the compression channel.
- Dust reduction during the material compression (especially required when compressing insulating materials).

- Lining with Hardox reduces wear, thus increasing the service life of the channel baling press
- Multi-part interior
- For simple and cost-effective maintenance

HARDOX INTERIOR



HARDOX INTERIOR





// AFTER-SALES SERVICE

All-round carefree package

The all-round carefree package that we pack precisely to your requirements is just as tight and secure as the bales from our baling presses. Our service department is available to you around the clock every day of the year. We offer full service for all products we produce, as well as for third-party products from the areas served by us.

Use our individual consulting and our various contract models that offer you economically beneficial conditions for a great amount of extra safety in everyday production.



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