

Briquetting presses

Economical and space-saving disposal



Dust and chips economical
and space-saving disposal



Quality - Professional competence and safety

Quality – professional competence and safety

As an owner-managed company with 200 employees in seven factories, Schuko has been manufacturing suction and filter systems used in wood, paper and plastic processing, for over 50 years. The customer base ranges from craftsmen through medium-sized businesses to major industries.

As a member company of VDMA - “Verband Deutscher Maschinen- und Anlagenbau e.V.” [German Mechanical and Systems Engineering Association] we place great value on system safety in accordance with the latest state of technology and the currently applicable standards. Many of our products have been tested and approved by the appropriate trade associations (timber trade associations). These products bear the GS symbol and the “dust tested” test stamp. The Schuko brand is a sign of performance and quality.



Customer proximity – everything from the same source

Advice, planning, manufacture, deliveries, assembly, commissioning, maintenance, operator training and customer service right across the board, adding up to fast service from qualified people. That is what the word “service” means to us.



Full energy efficiency to save space and reduce costs

Chip storage takes up space, is relatively expensive and involves high safety requirements. Compacto briquetting presses make effective use of the latent energy in sanding dust, wood chips and sawdust.

Chip briquettes require little storage space and have a high calorific value. Depending on the grade of the chips, the volume can be reduced to 1/5 of the original quantity of chips. Schuko provides effective and compact solutions.

Compacto briquetting presses are available in six different power classes, which are adapted to the power requirement and existing space. Depending on the Model of chip, moisture content and bulk weight, it is possible to press 25 to 200 kg of chip material per hour. The power consumption is exceptionally low.

Compacto briquetting presses are hydraulically operated and can be fed manually, by a bagging or filter system or a cargo floor. If a plant is already available on site, the connections to the briquetting press are manufactured according to drawing.





Fields of application and advantages

A large number of materials can be compacted by a Compacto briquetting press:

- > wood chips,
- > shredded plastic (Styrol, Styropor, PU and PVC),
- > paper scrap, paper dust,
- > sanding dust,
- > biomass (Miscanthus and hemp),
- > nonferrous shredded metals (copper, aluminium, zinc, bronze and brass),
- > shredded recycling materials,
- > shredded tobacco,
- > and shredded denim.

That is a selection of the materials tested in practice.



Take advantage of the features of the Compacto briquetting system:

- > low purchase price,
- > powerful operation,
- > space-saving and expandable to size,
- > versatile,
- > the opening cover makes the briquetting press easily accessible for maintenance and service purposes (see illustration on left).



ompacto briquetting presses - powerful pressing and convincing arguments:

SPS controls (system-programmable controls)

All Compacto briquetting presses are equipped with SPS controls. The latter control the control processes within the machine (see illustrations above).

Unbeatable advantages of SCHUKO SPS controls:

- detailed and clear display of the touch panel start screen
- Individual settings can be selected under menu items, such as
 - Material type of the material to be pressed
 - Contact pressure for briquette hardness, delay times depending on the amount of material
 - Language settings German, English and French etc.
- automatic service messages with notes on maintenance and care
- a red flashing fault message with detailed fault history appears in the event of a fault

Compacto CT 1100-S 20 Plus

The high-performance briquetting press with a new, highly efficient VFC (Volume Flow Control) system. Increase in performance of up to 40 % with the same energy consumption

- Increased environmental protection and occupational safety through particularly quiet operation
- Lower energy costs due to highly efficient pump with VFC technology (Volume Flow Control).

Technical information for Compacto briquetting presses

Model	Item No.	Hydraulic motor output in kW	Approx. weight (kg)	Approx. briquetting* power (kg/h)	feedscrew Ø (mm)	connection inside Ø (mm)	Diameter (mm) of chip briquettes
C 800 S-20	740 900	3.0	340	30-45	130	160	60
C 1100 S-20	741 100	4.0	390	60-75	130	160	60
C 1800 S-20 PLUS	741 200	3,0	520	80-100	130	160	60
C 2500 75/160	742 500	15.0	786	150-200	160	210	75

*depending on Modelle of material and moisture content



Accessories supplied with the Compacto briquetting press

- | | |
|--|--|
| hydraulic oil cooler | - Hydraulic fluid is cooled. Example of area of application: operation in shifts with large C 1800 S-20, C 2200 S-20/75 and C 2500 S-20/75 presses, it is recommended that an oil cooler be installed. |
| hydraulic oil heater switching | - Hydraulic fluid is heated. Area of application: press is located in an unheated area |
| cabinet heater | - the switching cabinet is heated. Area of application: press is located in an unheated area. |
| automatic run-up control | - The blower's operating times are added up in the briquetting press's SPS controls. After the selected running time has been reached, the press starts and the totalled-up running time is set to zero. When the material is finished, the press switches off again automatically and the running time is recalculated. |
| Fill-level sensor | - the mechanical level sensor is installed directly in the storage container. If the material level rises as far as the rotating paddle sensor, this activates a microswitch which switches the briquetting press on. After the material is finished, the press switches off automatically |
| Die lubrication system
(see illustration right) | - Area of use: materials which is difficult to compact |



Possibilities for combining Compacto briquetting presses

SPB 50 chip container for VACOMAT mobile dust removers
200 XP/XPe, 250 XP, 300 XP and 350 XP
with briquetting presses

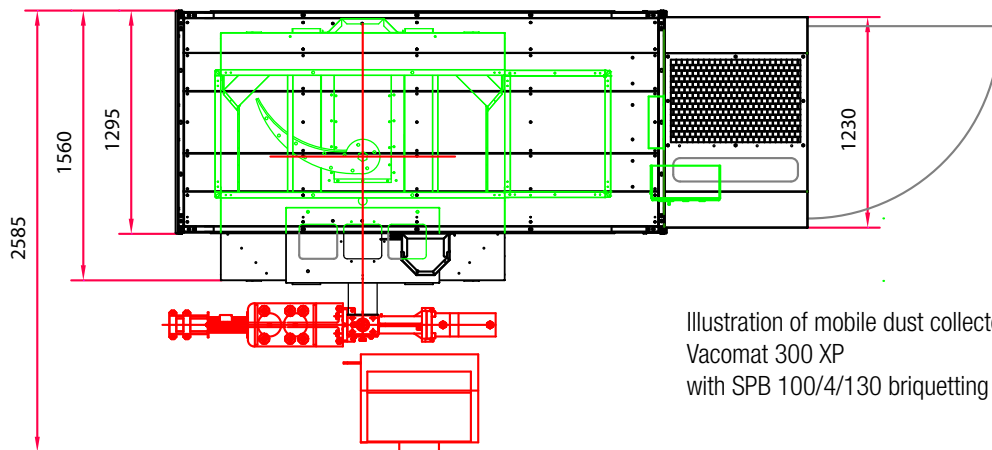
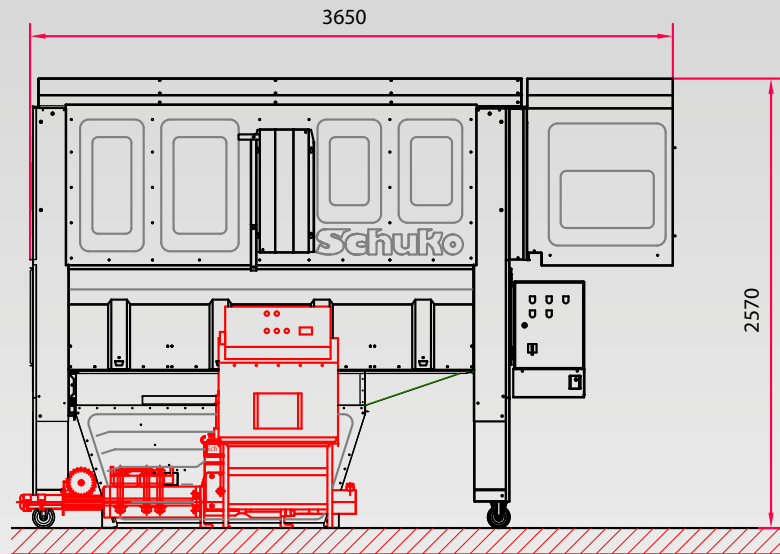


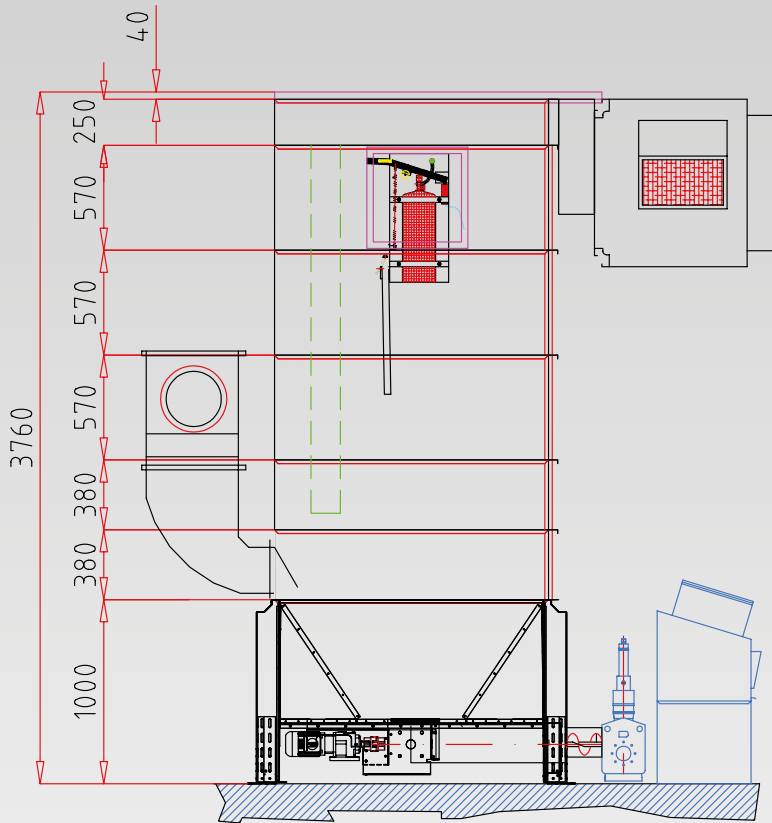
Illustration of mobile dust collectors
Vacomat 300 XP
with SPB 100/4/130 briquetting press

chip container:	for:
SPB 50	Vacomat 180 XP/XPe
SPB 75	Absackanlage
SPB 100/3/130	Vacomat 200 XP/XPe
SPB 100/4/130	Vacomat 250 XP, 300 XP, 350 XP and TWIN

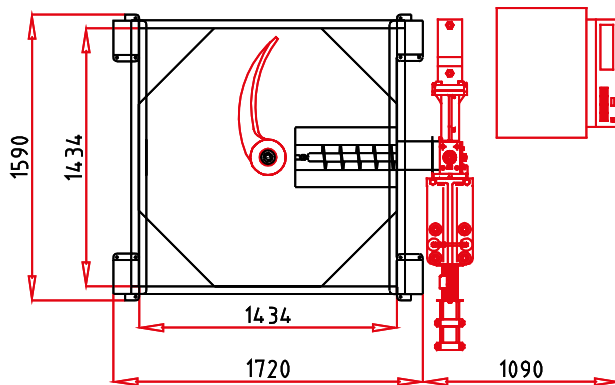
Typ	Item No	Contents m ³	Height mm
Chip container SPB 50	750 120	0,47	910
Chip container SPB 75	750 100	0,75	980
Chip container SPB 100/3/130	750 130	1,0	910
Chip container SPB 100/4/130	750 150	1,0	910

In connection with deduster type	Total amount mm
Vacomat 200 XP, 200 XPe	2.130
Vacomat 250 XP, 300 XP	2.570
Vacomat 350 XP, 350 XP TWIN	2.660
When using SPB 100/4 and chip collection bins the height remains the same.	

Base for VACOMAT N-1000 on VACOMAT N-1000



Electronic length monitoring of the pellets via impeller-controlled pulse generator in combination with press switch-off at the end of material.



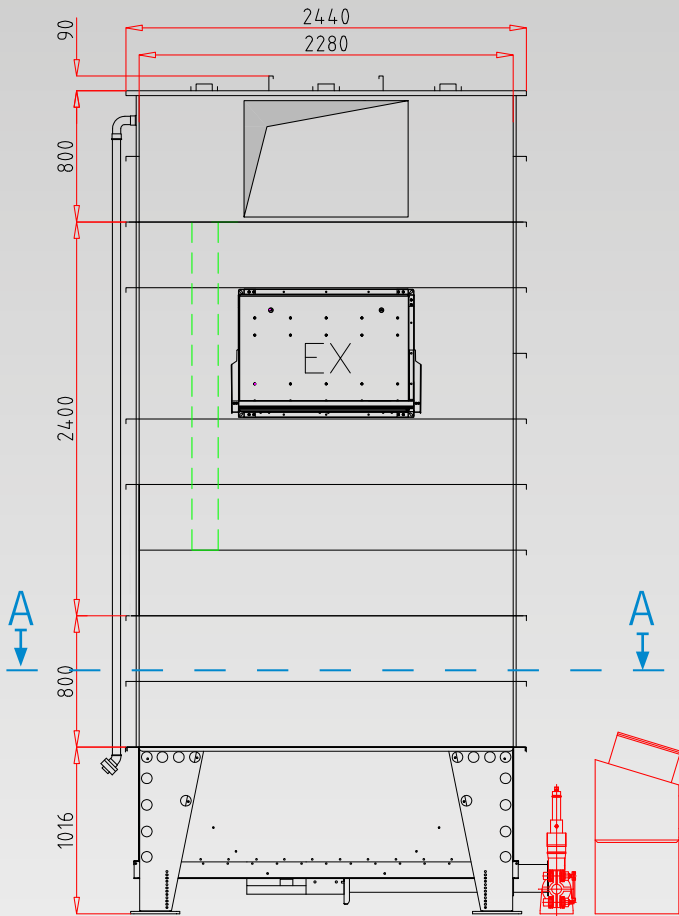
Base for VACOMAT N-1000

- > Press feed container including extraction screw with motor Drive and agitator
- > VACOMAT N-1000 filter attachment unit

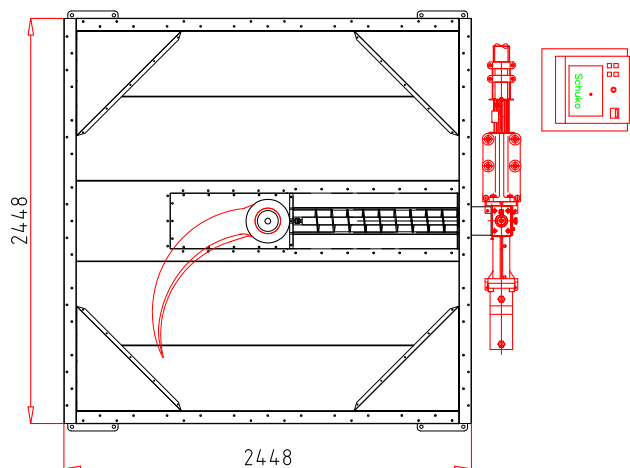
Base for N-1000 Shown on Vacomat N-1000

Model	Item No.	Contents m ³	Height mm
Base for Vacomat N-1000	635 550	1,317	1.000
Expansion enlargement for N-1000	635 700	1,17	570

Chip container SPB 2323 with Validus filter attachment



Control cabinet of a Compacto briquetting press



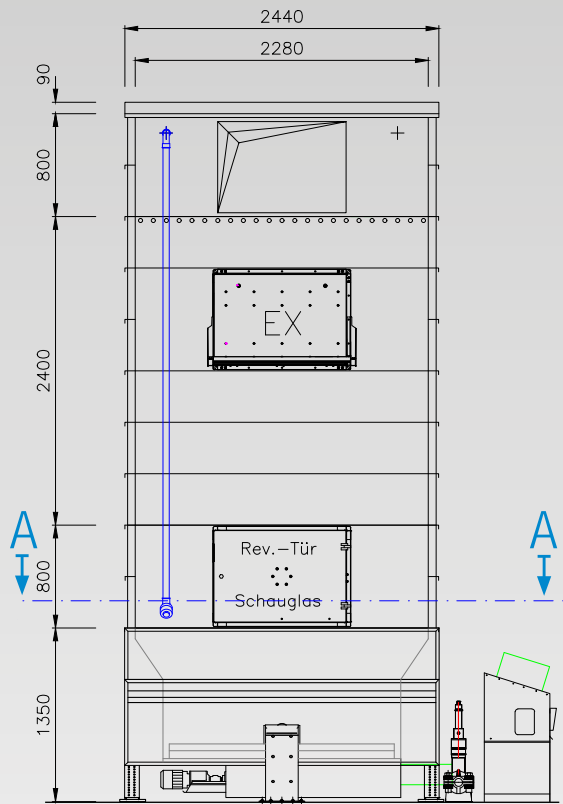
SPB 2323 chip container

- > Press feed container including extraction screw with motorised drive and agitator
- > Validus Model 2323 filter attachment

Chip Container SPB 2323 filter attachment

Model	Article-No.	Contents m ³	Heigh mm
chip container SPB 2323 for CT 800-CT1100	751 150	3,5	1.020
chip container SPB 2323 Validus for CT 2500	751 170	3,5	1.020
Expansion enlargement	769 050	2,1	400
Expansion enlargement	769 150	4,2	800

Cargo floor with Validus filter attachment



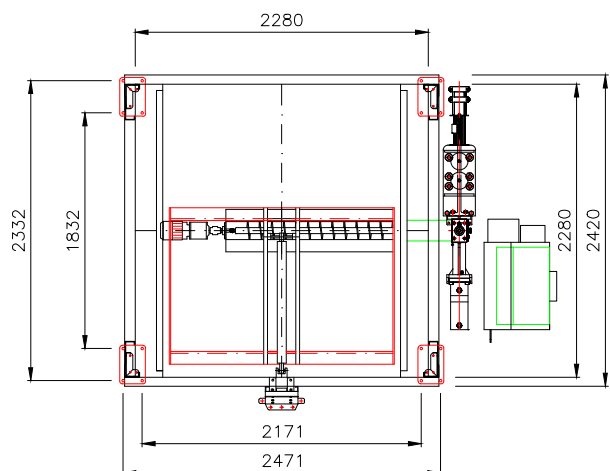
Cargo floor

- > Press feed container including extraction screw, hydraulic system and electrical controls
- > Validus Model 2323 filter attachment

Cargo floor with Validus filter attachment			
Model	Item No.	Contents m ³	Height mm
SB 1 cargo floor	758 700	4,72	1350
SB 2 cargo floor	758 800	9,45	1350
SB 3 cargo floor	758 900	14,17	1350
Expansion enlargement*	769 050	2,1	400
Expansion enlargement*	769 150	4,2	800

* One expansion enlargement per cargo floor

View A-A

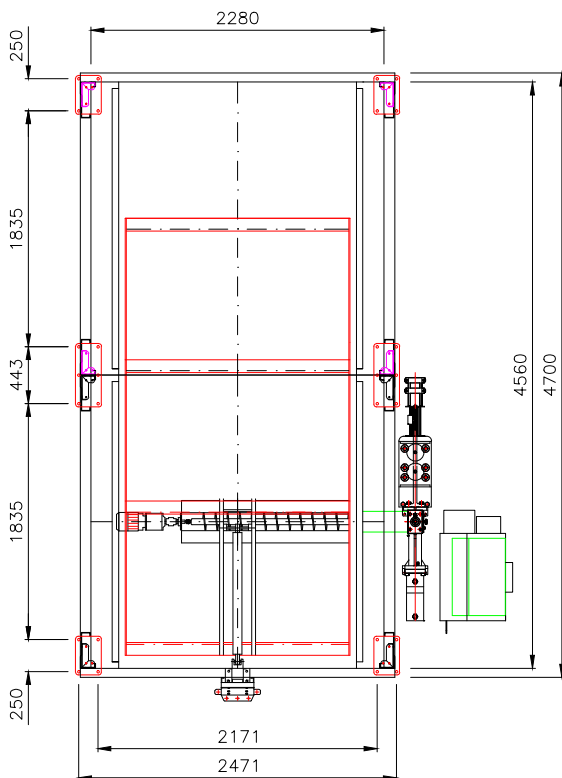


Cargo floor SBV 1



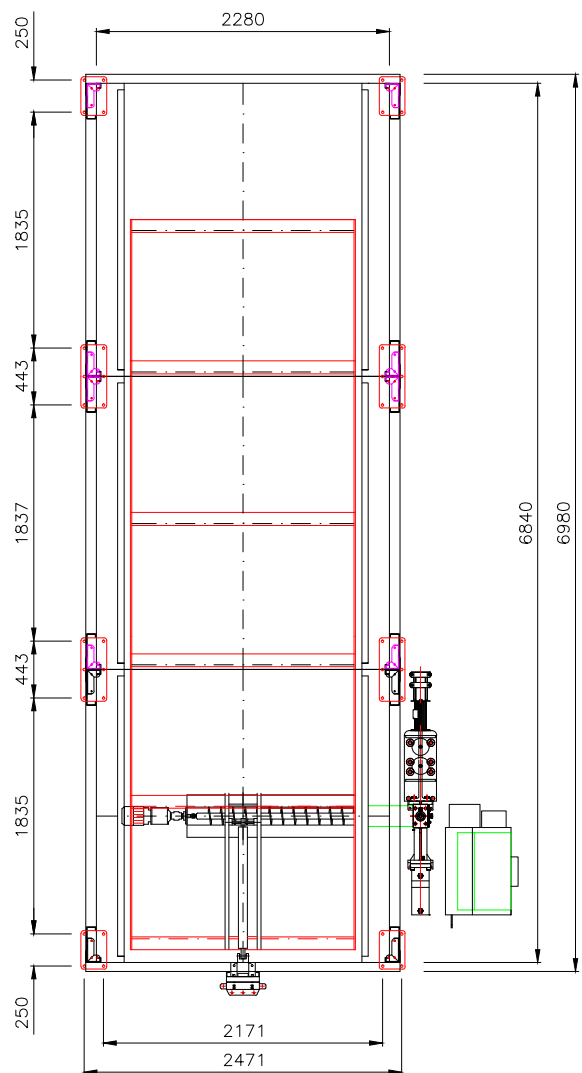
Schuko
VALIDUS

View A-A

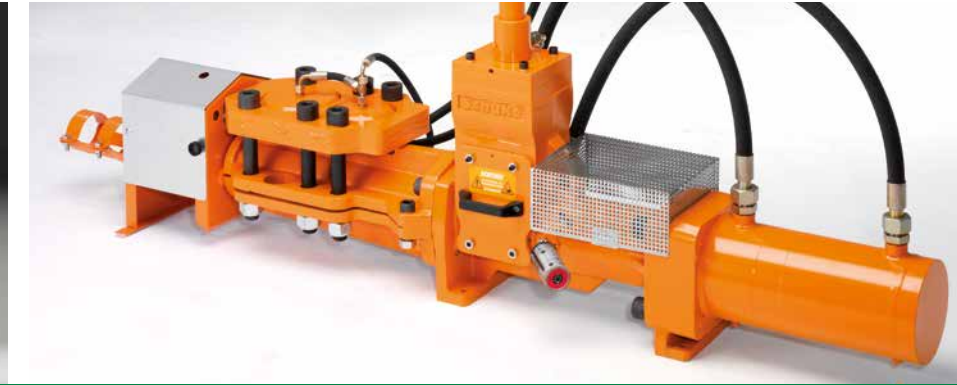


Cargo floor SBV 2

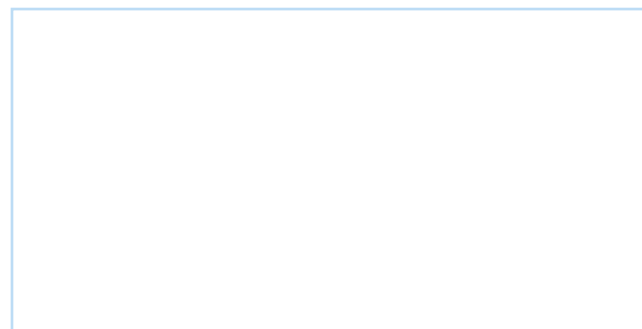
View A-A



Cargo floor SBV 3



Quality that pays off!



Schuko
Dust extraction and filter technology

Schuko International GmbH & Co. KG · Heinrich-Schulte-Südhoff-Str. 1 · 14959 Trebbin, Germany

+49 (0) 3 37 31 / 7777-94 or 95 · international@schuko.com

www.schuko.com

Manufactured in Germany / 21/10/2020 web/technical modifications and errors reserved
Illustrations may show optional equipment