

Briquetting Press Type SP



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Top-Quality Products



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Briquetting Press Type SP

rsn briquetting presses can make hard and durable briquettes from shavings, saw dust, grinding dust, coarse chips etc. with a moisture content of 5 to 20 %. No binding materials are required.

The storage bin in the press can be filled through a filter attachment, through built-in feeder elements or manually.

Three general types of storage bins are available. Each version comes in five different sizes.

Storage Bin Version /12

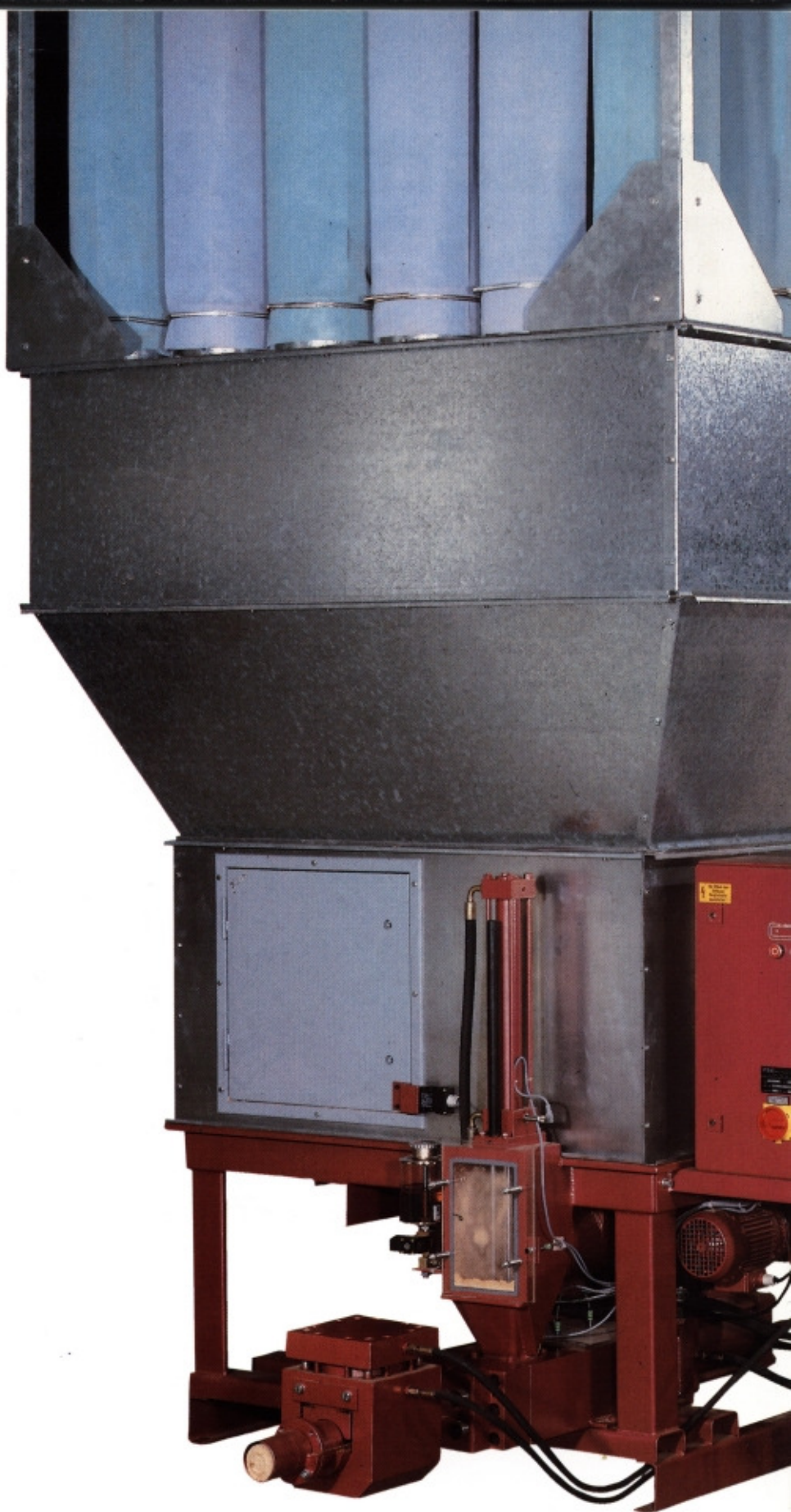
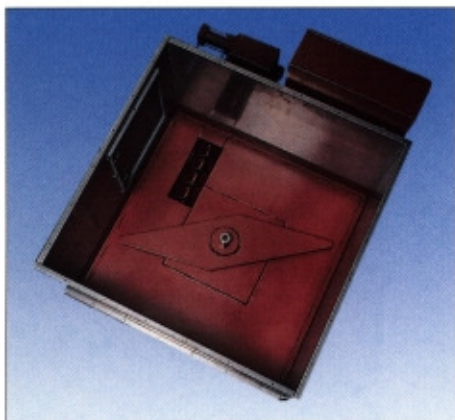
1200x1200 mm base with horizontal discharge using double planetary gears, 0.75 kW, 2560 Nm torque. Mountable storage bin ring 600 mm high, with inspection door, holding capacity 1 m³, total height 1300 mm.

Storage Bin Version /17

1640x1640 mm base with horizontal discharge using double planetary gears, 1.1 kW, 3580 Nm torque. Mountable storage bin ring 600 mm high, with inspection door, holding capacity 1.9 m³, total height 1300 mm.

Storage Bin Version /20

1940x1940 mm base with horizontal discharge using double planetary gears, 1.5 kW, 5770 Nm torque. Mountable storage bin ring 600 mm high, with inspection door, holding capacity 2.6 m³, total height 1300 mm.



Briquetting - the Solution for the Future



Operation

A feeder screw carries the material to be compacted into the filling pit, and through the pre-compactor in to the compacting chamber. The load sensing control system of the pre-compactor prevents overfilling of the pit. Thus, troublefree compaction is achieved even when working with non-uniform material compositions.



The Hydraulic Unit

All control valves and switching valves, the hydraulic pump, the oil reservoir, and all drive motors are integrated in a compact bloc. This system facilitates maintenance. The arrangement of the equipment is variable through flexible hydraulic tubing.

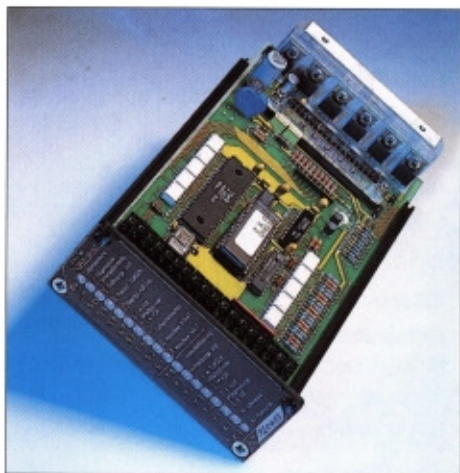


Compacting Clamp, Pressure Channel

The required compaction pressure is generated by a heavy duty clamping system, the hydraulic control of which is fully automatic and variable. The I.D. surface of the pressure tube is honed and hard chromium plated, thus minimizing wear.

Electric and Hydraulic Controls

The switch cabinet is completely wired and ready for "plug-in". All operating controls are clearly mounted on the front panel. All hydraulic and electrical components are microprocessor-controlled. No mechanical switchgear subject to wear.



- The automatic start control of the main drive motor maintains input current at minimum when turned on.
- Automatic bleeding of the hydraulic system assures easy starting after shutdown.
- Safety controls with alarm, i.e. in case of overload or problems during operation the machine will shut off automatically.
- Sensor controlled, load dependent hydraulics.

Automatic Operation

The automatic operation of the unit is achieved through three different modes:

Level Indicator

A level indicator in the storage bin switches the machine ON or OFF depending on the level of material inside.

Automatic Cycle Timer

A programmable timer allows up to eight process cycles per day.

Pulse Control

The operation of the suction motor is monitored and controlled by the pulse control unit.

Storage bin version /12:	SP 45/12	SP 70/12	SP 90/12	SP 150/12	SP 250/12
Technical data:					
Pressure type	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
Capacity (depending on the product)	45 kg/h	70 kg/h	90 kg/h	150 kg/h	250 kg/h
Waste chips per year	80 - 200 m ³	200 - 400 m ³	400 - 700 m ³	600 - 1000 m ³	1000 - 1700 m ³
Max. pressing power	270 kN, 10 kN/cm ²	270 kN, 10 kN/cm ²	270 kN, 10 kN/cm ²	270 kN, 10 kN/cm ²	270 kN, 10 kN/cm ²
Briquette Ø	60 mm	60 mm	60 mm	60 mm	60 mm
Power consumption in kW	4 / 0,55 / 0,75	5,5 / 0,55 / 0,75	7,5 / 0,55 / 0,75	11 / 0,55 / 0,75	15 / 0,55 / 0,75
Max. wood moisture	20 %	20 %	20 %	20 %	20 %
Storage bin reduction to	1 : 10	1 : 10	1 : 10	1 : 10	1 : 10
Measurements LxWxH in mm	1910x1830x1300	1910x1860x1300	1910x1860x1300	1910x1860x1300	1910x2210x1300
Net weight	770 kg	820 kg	900 kg	1000 kg	1400 kg
Storage bin version /17:	SP 45/17	SP 70/17	SP 90/17	SP 150/17	SP 250/17
Data fluctuation:					
Power consumption in kW	4 / 0,55 / 1,1	5,5 / 0,55 / 1,1	7,5 / 0,55 / 1,1	11 / 0,55 / 1,1	15 / 0,55 / 1,1
Measurements LxWxH in mm	2250x2170x1300	2250x2170x1300	2250x2200x1300	2250x2200x1300	2250x2550x1300
Net weight	920 kg	970 kg	1050 kg	1150 kg	1550 kg
Storage bin version /20:	SP 45/20	SP 70/20	SP 90/20	SP 150/20	SP 250/20
Data fluctuation:					
Power consumption in kW	4 / 0,55 / 1,5	5,5 / 0,55 / 1,5	7,5 / 0,55 / 1,5	11 / 0,55 / 1,5	15 / 0,55 / 1,5
Measurements LxWxH in mm	2650x2570x1300	2650x2600x1300	2650x2600x1300	2650x2600x1300	2650x3000x1300
Net weight	1000 kg	1050 kg	1130 kg	1230 kg	1630 kg

The table lists the most common standard SP-models.

rsn also manufactures non-standard models, like custom sizes and special designs, e.g. underfeed briquetting presses, tandem or multiple briquetting presses, paper dust briquetting presses.

Standard Configuration SP-Briquetting Presses:

- Storage bin with horizontal discharge (versions /12, /17 or /20).
- Infinitely variable discharge screw.
- Automatically controlled, hydraulic compaction system (honed and chromium plated).
- Hydraulic system (SP 45 - SP 250, see table).
- Microprocessor electronic controls in cabinet.
- Connecting flange for conveyer system.
- Machine completely operable.

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