



Reinbold
Entsorgungstechnik



„BEAR“ FORCE AND RELIABILITY

BRIQUETTING PRESSES

**RB 20 SV -
RB 300 Flexibel S**





RB 20 SV

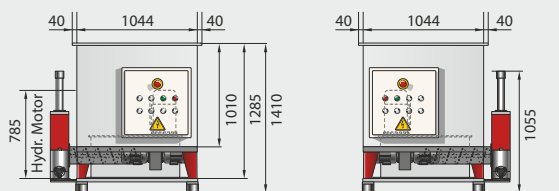


RB 30 SV

RB 20 SV - RB 50 SV Prestige series: For small to medium throughput

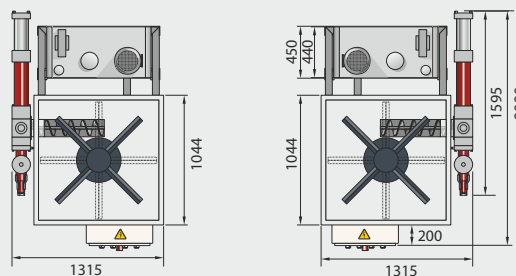
The RB 20 SV - RB 50 SV Prestige series is not only compact it also has the strength of a bear. Ideal applications are small and mid-sized companies aiming to optimize their cost/benefit ratio. Prestige series models are supplied complete with hydraulic oil and a safety switch for oil temperature.

Automatic strand-length monitoring ensures trouble-free, constant production of briquettes of equal length.



Left version

Right version



Option:
The filling level sensor starts the press automatically as soon as the material reaches the filling level paddle.

The agitator feeds the material to be compacted via a screw conveyor into the pressing block.



| Type | RB 20 SV | | RB 30 SV | | RB 50 SV | |
|--------------------|-----------------|---------|-----------------------|---------|----------|---------|
| Reserve container | (mm) | | 1,044 x 1,044 x 1,010 | | | |
| Briquette diameter | (mm) | 40 | | 50 | | 60 |
| Throughput | (approx. kg/h)* | 20 - 40 | | 30 - 50 | | 40 - 60 |
| Hydraulic motor | (kW) | 4 | | 5,5 | | 5,5 |
| Oil quantity | (l) | 100 | | 100 | | 100 |
| Weight | (approx. kg) | 600 | | 700 | | 750 |

* Throughput is material-dependent / maximum material moisture should not exceed 18 %.



RB 100 small container

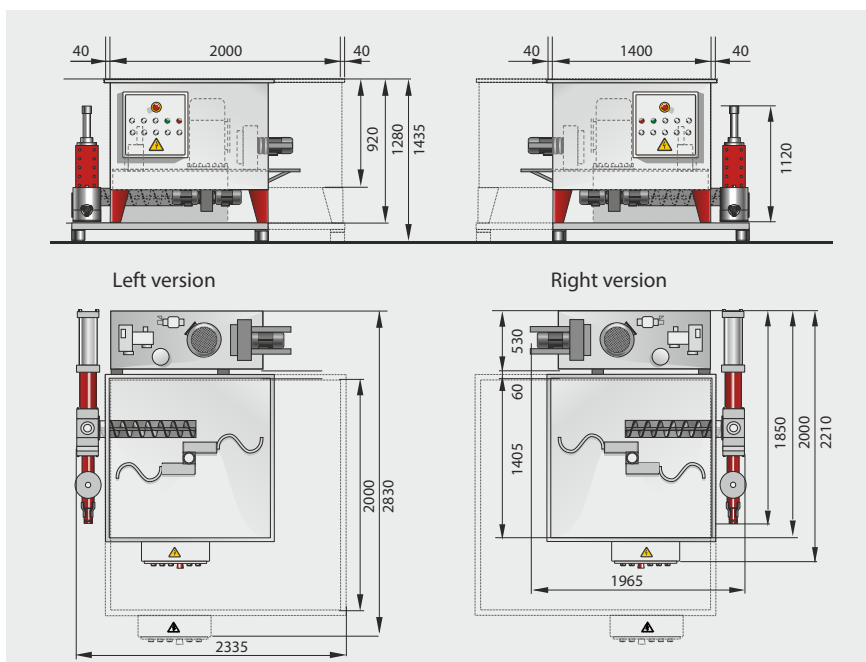


RB 100

RB 100 - RB 200 and RB 100 Plus - RB 200 Plus series: for high throughput with two different sized containers

Both series have the same compaction unit, in order to produce high-strength briquettes. The difference is the extra large, high capacity container for the RB 100 - RB 200 Plus series. Numerous options are available such as, oil cooling for continuous operation, transmission lines, briquette length monitoring, automatic on/off, switch for oil shortages, hopper attachments.

Agitator RB 200



| Type | | RB 100 | RB 120 | RB 160 | RB 200 |
|--------------------|-----------------|----------|---------------------|-----------|-----------|
| Reserve container | (mm) | | 1,400 x 1,400 x 920 | | |
| Briquette diameter | (mm) | 50 | 60 | 70 | 80 |
| Throughput | (approx. kg/h)* | 80 - 100 | 100 - 120 | 120 - 160 | 140 - 200 |
| Hydraulic motor | (kW) | 7,5 | 7,5 | 11 | 11 |
| Oil quantity | (l) | 160 | 160 | 250 | 250 |
| Weight | (approx. kg) | 920 | 1,000 | 1,050 | 1,250 |

| Type | | RB 100 Plus | RB 120 Plus | RB 160 Plus | RB 200 Plus |
|--------------------|-----------------|-------------|---------------------|-------------|-------------|
| Reserve container | (mm) | | 2,000 x 2,000 x 920 | | |
| Briquette diameter | (mm) | 50 | 60 | 70 | 80 |
| Throughput | (approx. kg/h)* | 80 - 100 | 100 - 120 | 120 - 160 | 140 - 200 |
| Hydraulic motor | (kW) | 7,5 | 7,5 | 11 | 11 |
| Oil quantity | (l) | 160 | 160 | 250 | 250 |
| Weight | (approx. kg) | 1,050 | 1,200 | 1,250 | 1,450 |

*Throughput is material-dependent / maximum material moisture should not exceed 18 %.



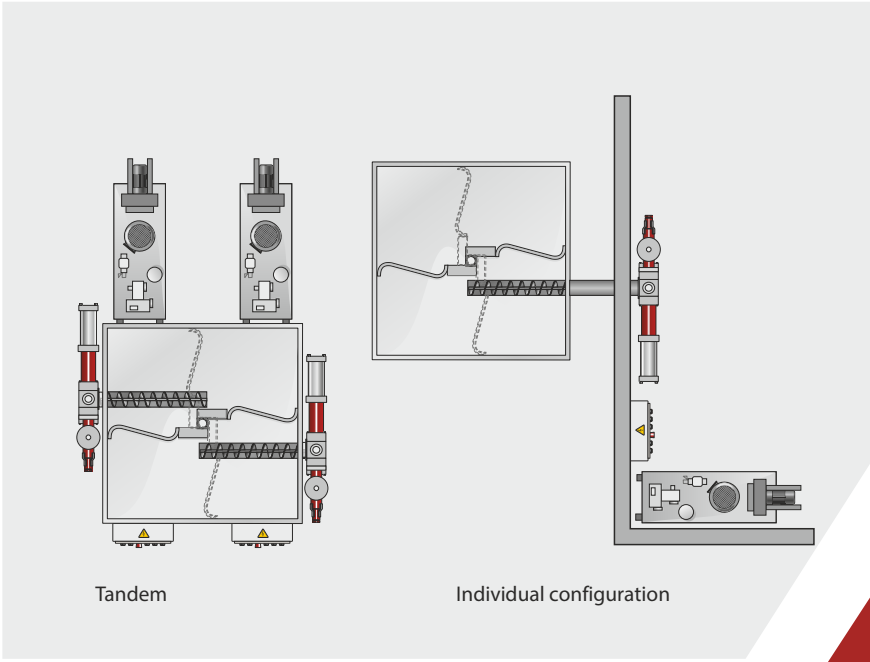
RB 160 with special mechanics for fine dusts



RB 100 Plus

RB 100 Flexibel - RB 300 Flexible S series: for individual configuration

With its modular construction, the RB Flexible series can be individually tailored to customer-specific space requirements. It can be adapted easily to existing production plants and can be configured according to the required throughput. Depending on throughput, tandem, trio, or quatio design combinations are possible. The RB 100 Flexible- RB 300 Flexible S series is specially designed for industrial applications.



| Type | | RB 100 Flexibel | RB 120 Flexibel | RB 160 Flexibel |
|--------------------|-----------------|---|-----------------|-----------------|
| Reserve container | (mm) | 1,400 x 1,400 x 920 / 2,000 x 2,000 x 920 / or intermediate sizes | | |
| Briquette diameter | (mm) | 50 | 60 | 70 |
| Throughput | (approx. kg/h)* | 80 - 100 | 100 - 120 | 120 - 160 |
| Hydraulic motor | (kW) | 7,5 | 7,5 | 11 |
| Oil quantity | (l) | 100 oder 160 | 160 | 250 |
| Weight | (approx. kg)** | 950 - 1,100 | 1,000 - 1,100 | 1,100 - 1,300 |

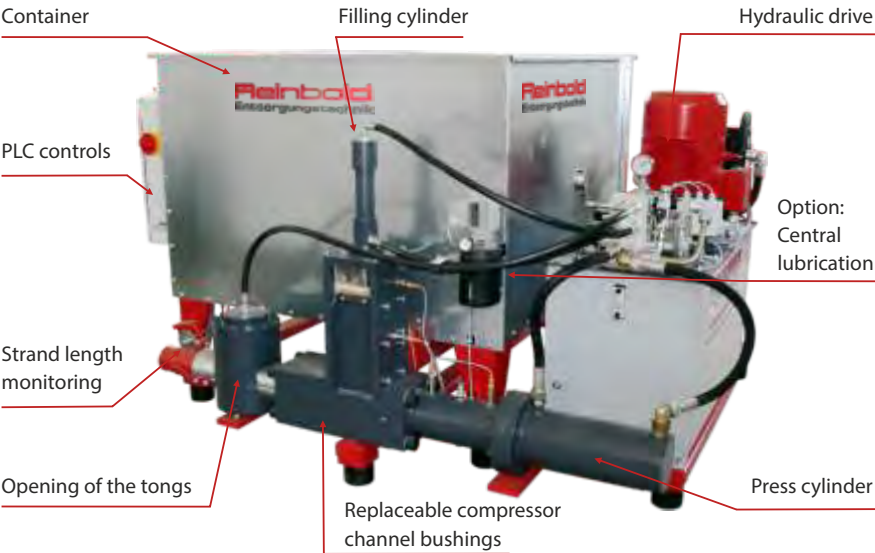
* Throughput is material-dependent / maximum material moisture should not exceed 18 %.

| Type | | RB 200 Flexibel | RB 200 Flexibel S | RB 300 Flexible S*** |
|--------------------|-----------------|---------------------------------|-------------------|----------------------|
| Reserve container | (mm) | according to customer's request | | |
| Briquette diameter | (mm) | 80 | 80 | 90 |
| Throughput | (approx. kg/h)* | 160 - 200 | 160 - 250 | 200 - 350 |
| Hydraulic motor | (kW) | 11 | 22 | 22 - 37 |
| Oil quantity | (l) | 250 | 500 | 1,000 |
| Weight | (approx. kg)** | 1,300 - 1,500 | 2,500 | 4,500 |

** total weight, deviations are possible depending on the design / *** on request



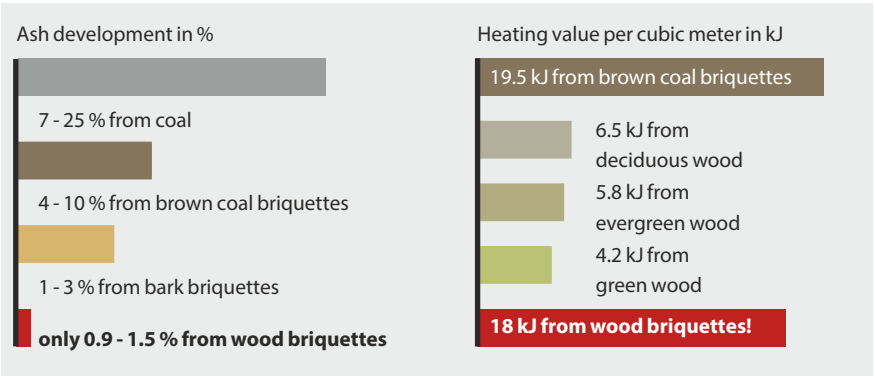
How the briquetting presses work:



These presses have high-volume reserve containers with integrated screw conveyor. The material passes through the screw conveyor into the filling shaft where it is pre-compacted in the filler cylinder before being conveyed to the pressing channel. In the channel, the cylinder presses the material to be compacted into the conically closed tongs until it achieves the desired briquette hardness. Then the tongs open and the briquette is ejected.



Up to 90 % volume reduction thanks to Reinbold briquetting technology



Wood chips, shavings, etc. take up valuable storage space. Compact briquettes reduce storage and transport costs. The spontaneous combustion hazard is extremely low for stored briquettes. Briquettes can reduce general heating costs. In this way, the cost of buying a briquette press is soon recouped.

2.5 kg briquettes made from planer shavings = the heating value of 1 L of heating oil

1 t briquettes made from planer shavings = the heating value of 400 L of heating oil

It's that easy for a briquetting press to pay for itself!

Briquettes are clean, economical fuel.

Many materials can be compressed, such as: Hard or soft wood, planing materials, wood chips, sawdust and sanding dust when mixed with other materials, wooden materials, shavings and chipboard, multiplex, OSB, paper, cardboard, as well as other materials such as straw, hay, polystyrene, aluminium shavings, aluminium dust... **Maximum material moisture should not exceed 18 %.**



Machines from the Reinbold product line:



Series AZR 600:
The universal single shaft shredder for
woodworking shops



Series AZR 800 - AZR 2000 Gigant:
The universal single shaft shredder for wood-
working shops



Series AZR 600 K - AZR 2000 K Gigant:
The single shaft shredder for professional
compaction of recyclables



Series RHZ 300 - RHZ 1300 S:
The horizontal shredder with horizontal
material feed



Series RMZ 500 - RMZ 1000 S:
The four-shaft shredder that is ideal
for shredding long stock



Series RB 400 RS - RB 600 RS:
For the industrial production of
square briquettes

Drawing on its many years of experience, Reinbold, with its broad range of machines, is able to offer ideal solutions for different applications in material shredding and briquetting. Our testing facility is available to perform tests on your material.

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