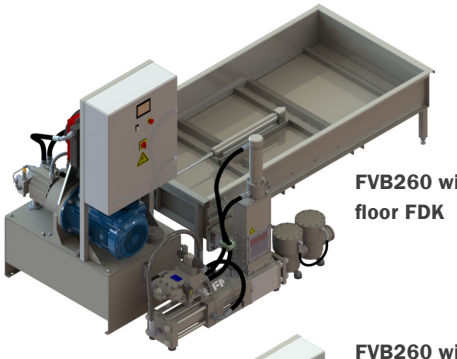
swiss made

FM RACINE® HYDRAULIK AG

Briquetter FVB250 / FVB260

The right solution for productive and economical briquetting. In addition to its extremely robust design, the FVB250 model series with 11kW and the FVB260 with 15kW drive output offers custom-tailored system solutions. The individual assembles, like the drive unit, press unit and push floor, can be set up in many diverse arrangements.
The FVB250/FVB260 offers an outstanding price/performance ratio, because the following equipment is provided by standard:

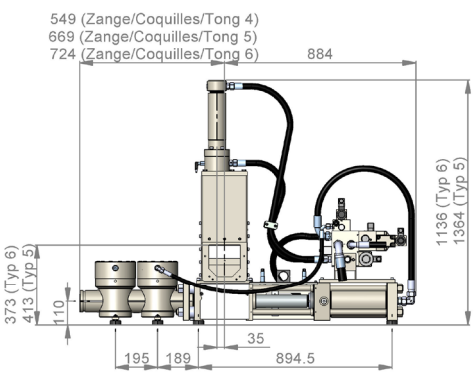


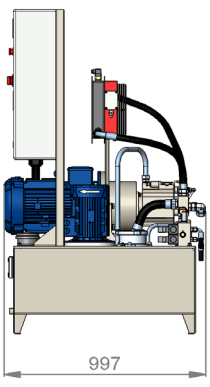
FVB260 with push floor FDK

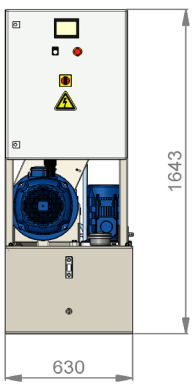
FVB260 with conveyor screw kit

- PLC control unit S7-1200 Siemens, command input through 4 inch touch panel colored
- Password-protected input with classified user rights
- Manual and automatic operation
- 5 available dosing recipes with filling time control and dosing time limit, briquette hardness and length control, and conveyor screw control inc. reversal
- Available machine configurations such as briquette container monitor, silo discharge, briquette strand measurement, coolant control and control for press mechanism cooling circuit
- Day and weekly timer, diverse level controls for silo
- Fault message with error logging, hours of operation recording
- Oil cooler with thermostat, oil temperature and oil level safety circuit
- Electrical hydraulic control unit for discharge
- Connection terminals for external Start/Stop and Emergency STOP commands
- Potential-free relay contacts for interfaces and remote displays

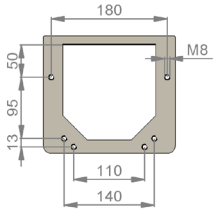
Data	
Briquette diameter	61 mm
Briquette length regulation	30-120 mm
Nominal output depending on chips	FVB250: 180-210 kg/h, FVB260: 200-260 kg/h
Drive output with soft starter	11 kW or 15 kW, 1500 rpm
Discharge drive output / oil cooler	2.2 kW / 0.11 kW, 1500 rpm / 2500 rpm
Connected load	3x 400 VAC+N+PE, 50 Hz
Recommended pre-fusing	40 Amp.
Hydraulic oil filling	130 l
Weight without oil	Hydraulic unit approx. 340 kg, press unit approx. 310 kg







Anschlussbild Förderkanal
Schéma de raccordement
Connection drawing discharging channel



FM-Racine Hydraulik AG
Winkelbüel 4, CH-6043 Adligenswil, Tel. +41 (0)41 370 50 01, info@fm-racine.ch, www.fm-racine.ch

subject to technical amendments, 08/22

swiss made

FM RACINE® HYDRAULIK AG

Briquetter FVB ordering code

Name

FVB 260 L R 11

Series

Briquetter output
180-210 kg/h (11 kW) = **25**
220-260 kg/h (15 kW) = **26**

Version
Main press cylinder 125 C = **0**
Main press cylinder 140 E = **1**
Main press cylinder 140 F = **2** -with pressure element
Main press cylinder 125 G = **3** -with pressure element
Main press cylinder 125 I = **5** -with cooling circuit and housing N

Drive unit type
11
12 = last 2 digits in item no.

Briquetter ejection direction
R = right
L = left
S = special for multiple presses

Hydraulic unit position
R = right of the push floor
L = left of the push floor
F = front side in front of push floor
V = to the side in front of the press unit
H = behind the push floor
B = space-saving to the side in front of press unit
S = special position
G = base frame

Type

H 5 D - A 6 D L

Main press housing design
Wearing grade normal = **H**
Wearing grade increased = **J**
Wearing grade high = **K**
Wearing grade coated = **L**
Wearing grade wet = **M**
hardened for powdery material = **N**

Tong shells
Design Short = **4**
Design Medium = **5**
Design Long = **6**

Tong cylinder
Design 140 = **C**
Design 100 = **D**
Design 125 = **E**

Pre-pressing cylinder design
L = ø63 to pre-pressing housing 6
M = ø63 to pre-pressing housing 5
N = ø63 to pre-pressing housing 7

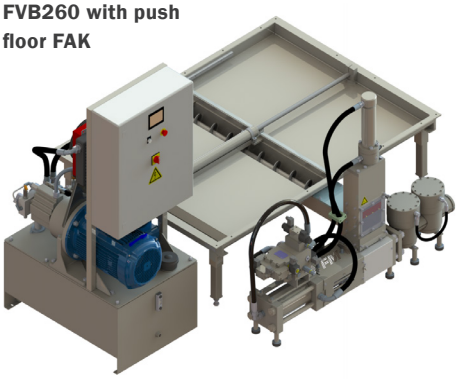
Press shoe design
F = Pre-pressing housing 5 bottom section D left
G = Pre-pressing housing 5 bottom section D right
H = Pre-pressing housing 5 bottom section H left
I = Pre-pressing housing 5 bottom section H right
D = Pre-pressing housing 6 bottom section D
K = Pre-pressing housing 6 bottom section J
L = Pre-pressing housing 6 bottom section H
M = Pre-pressing housing 6 bottom section K
N = Pre-pressing housing 7 bottom section 7A

Pre-pressing housing design
5 = Height 657 to pre-pressing cylinder M+I
6 = Height 500 to pre-pressing cylinder G+L
7R = Height 500 to pre-pressing cylinder G+L right
7L = Height 500 to pre-pressing cylinder G+L left

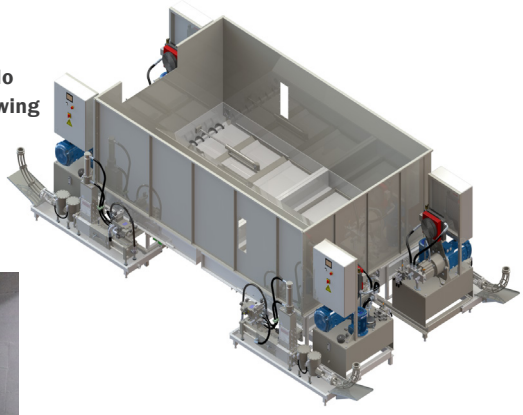
Knife unit design
A = hardened, low form
F = high-alloyed, high form
G = high-alloyed, low form
I = faceted for pre-pressing housing 7

The following push floor types are suitable for FVB250 / FVB260 briquetters:
FAK, FAS, FDK in standard sizes or customer-specific widths and lengths as well as the conveyor screw kit in customer-specific length. In order to increase the nominal output, it is possible to operate multiple briquetters on one push floor.

FVB260 with push floor FAK



4x FVB260 with Push floor FDK, Silo assembly with viewing cover



FVB250
FDK push floor with two screw conveyors, can be retrofitted with a second briquetter

FM-Racine Hydraulik AG
Winkelbüel 4, CH-6043 Adligenswil, Tel. +41 (0)41 370 50 01, info@fm-racine.ch, www.fm-racine.ch