

Briquetter FKB90 / FKB110

In the 5.5 kW and 7.5 kW output ranges, the FKB90 and FKB110 hydraulic briquetters offer a compact construction and individualised setup options. The unique modular system enables an optimal system solution.

FM briquetters are premium quality products which are supplied with the following standard equipment:

- 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 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



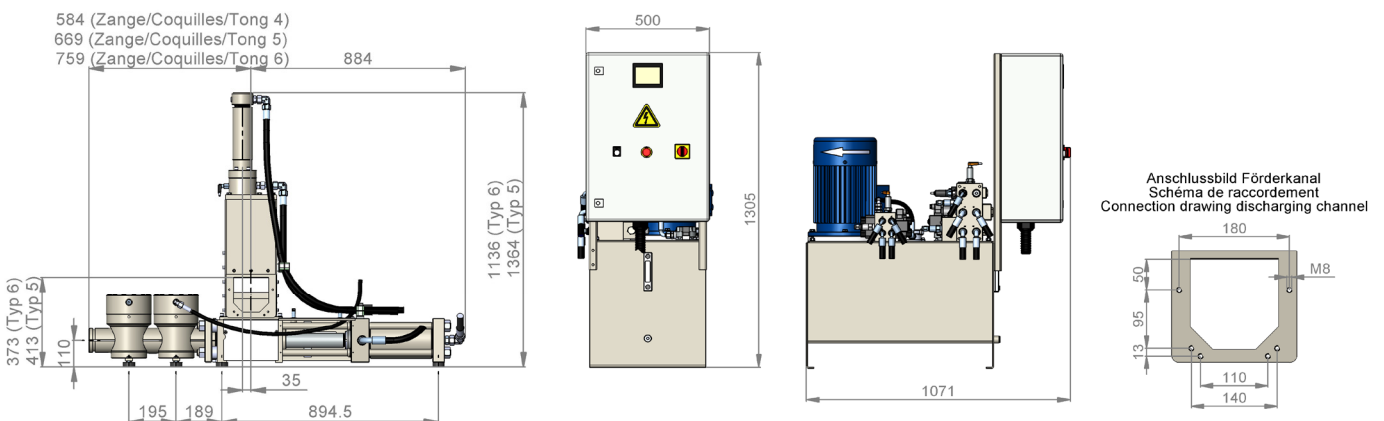
FKB110 with push floor FAK



FKB90 with conveyor screw kit

Data

Briquette diameter	61 mm
Briquette length regulation	30-100 mm
Nominal output depending on chips	FKB90: 50-85 kg/h, FKB110: 70-110 kg/h
Drive output with soft starter	5.5 kW or 7.5 kW, 1500 rpm
Connected load	3x 400 VAC+N+PE, 50 Hz
Recommended pre-fusing	25 Amp.
Hydraulic oil filling	120 l
Weight without oil	Hydraulic unit approx. 230 kg, press unit approx. 250 kg



Briquetter FKB ordering code

Name

Series

Briquetter output

50- 85 kg/h (5.5 kW) = 9
70-110 kg/h (7.5 kW) = 11

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

FKB 110 R L A 21

Drive unit type

21 = last 2 digits in item no.
22 =

Pump type

A = triple pump in aluminium
B = high output part in cast steel
C = triple pump in cast steel

Briquetter ejection direction

R = right
L = left

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 = basic framework for dry pressing

Typ

Main press housing design

with unexchangeable press ring = A
with exchangeable press tools: = H
Wearing grade normal = J
Wearing grade increased = K
Wearing grade high = L
Wearing grade coated = M
Wearing grade wet 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

H 5 D - A 6 D G

Pre-pressing cylinder design

G = ø50 to pre-pressing housing 6
I = ø50 to pre-pressing housing 5
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
right
left
7R = Height 500 to pre-pressing cylinder G+L
7L = Height 500 to pre-pressing cylinder G+L

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 the FKB90 / FKB110 briquetters:

FAK, FAS, FDN in standard sizes or customer-specific widths and lengths. In order to increase the nominal output, it is possible to operate multiple briquetters on one push floor. The individual components can also be assembled on a base frame to make a compact machine.

