



EXPELLER SCREW PRESS, TYPE PC 150



PRODUCT INFO

The PC150 Press is for the extraction of fat from dried press-able semi-finished product.

Cage and screw shaft are carried in welded heavy duty press housing.

The single-stage cage consists of a sturdy cast steel frame. It is vertically divided and can be opened after loosening of the interlocking bolts. Thus screws, cage bars and scrapers can be exchanged or cleaned without having to dismount the cage halves.

The axial thrust of the screw shaft is sustained by a thrust bearing.

Those parts of the screw outfit and cage that are subject to wear and tear due to the material to be pressed are hard-coated with a highly wear-resistant material.

At the outlet gap for the press cake an axially movable cone is arranged in order to obtain a favourable cake thickness.

The fat expelled in the cage is collected in a vessel equipped with drain, mounted into the base of the press frame.

The press is operated by an electric motor. Gear reduction is operated by a V-belt drive and a spur gearing.

Driving Power 45 kW

Weight app. 5500 kg





EXPPELLER SCREW PRESS, TYPE PC 150 continued

PRODUCT INFO CONTINUED

General requirements

The indicated capacities for the screw press are subject to the following conditions:

- 1) Temp. of the material to be pressed: 90-110° C
- 2) Moisture content: 4-6%
- 3) Fat content (app.) corresponding to 12-15%, of the raw material: 35-40%
- 4) Ffa contents: up to 10%
- 5) The bone particles in the raw materials must be broken down to be fine-grained (20 mm).
 - 5.1) The percentage of bone in the raw material must not exceed 20-30%
- 6) The raw material to be treated must be fresh - not older than 48 hours.
- 7) Requirements for the materials to be pressed:

The raw materials must be prepared with sufficient care, i.e. the mechanical and thermal treatment as well as the drying must be adapted to the composition of the raw materials.

The structure is of decisive importance to the function of the pressing operation and thus to the fat contents of the meal, i.e. the raw materials (semi-products) must be easy to handle and press able.

Capacities:

If the above requirements are met, the yield of press cakes from the screw press will, subject to composition of raw materials, be:

Approximately 1.300 to 1.600 kg per hour

On an average the press cake will have fat contents of 12-16%.

Option

HEATING PAN TYPE RV150

The Expeller Press can be delivered with a Heating pan on the inlet in order to reach the correct temperature of the material to be pressed

