



Twin Screw Press

For pressing liquids from cooked fish or meat in a wet rendering process

The Haarslev twin screw press ensures efficient mechanical dewatering and reduction of the oil/fat content, which improves processing and increases the energy saving potential.

The twin screw press attains a condition of high compression resulting in a low moisture and oil/fat content in the press cake.

The Haarslev twin screw press, can be delivered as a conical or a cylindrical press.

One of the advantages of the conical type is that the flights of one screw reaches almost

into the core of the other screw. The result is minimum slip in the press and a more uniform press cake.

Operation

The twin screw presses are easy to operate, and the performance is easy to monitor. The closed design ensures effective deodorisation, and the combination of electronic control and instrumentation enables automatic safeguarding against overload. The variable screw speed provides for the flexibility necessary to cope with various raw materials and capacities.

The screw flights can be manufactured with stainless steel tips, which increase the operation time between maintenance works.



Design

The press consists of two interlocking screws enclosed by a strainer shell and surrounded by a cover. The flights' geometry can be cylindrical or conical depending on the performance required and the type of material being processed. The screws rotate in opposite directions, preventing the material from rotating with the screws. The strainer cage consists of perforated stainless steel plates surrounded by mild steel supporting plates, which are supported by heavy steel bridges. The strainer plate holes vary in size of the press from inlet to the outlet from 5 to 1 mm.

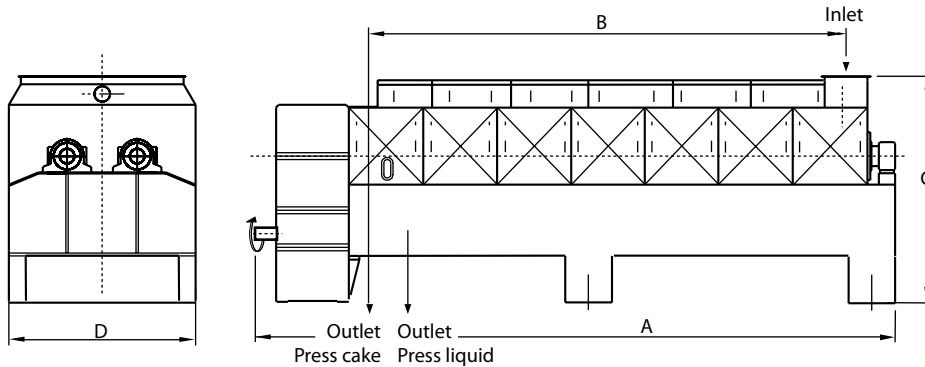
Specifications:

- Inspection doors on both sides of the cover in its full length.
- The cover and the inspection doors are made of stainless steel.
- The cover is equipped with a suction branch for vapourisation.

The mild steel frame is supported on feet and is bolted to the gear housing.

At the inlet end the press screws are supported by self aligning roller bearings. At the other end the shafts are flanged to the main gear shafts.

The twin screw press is supplied with an electric motor, V-belt drive, frequency converter for variable screw speed and a special helical reduction gear, which provides for a long life time.



	Capacity raw material ton/hour	Power kW	Dimensions in mm				Net weight in metric tons
			A	B	C	D	
TP24	2.5	7.5	3722	1795	1034	1196	3.5
MS41	13	30	4425	3085	1600	1070	9
MS49	18	45	5683	3906	1801	1510	13.2
MS56	25	55	6600	4860	1900	1440	20.5
MS64	40	110	7380	5355	2170	1730	24
RS64	50	90-132	8320	6295	2170	1730	27.1

The overall dimensions in the table refer both to conical and cylindrical presses while the capacity refers to cylindrical presses only.

We reserve the right to alter the specifications at any time without prior notice.



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