

# Bucher HPX 12007

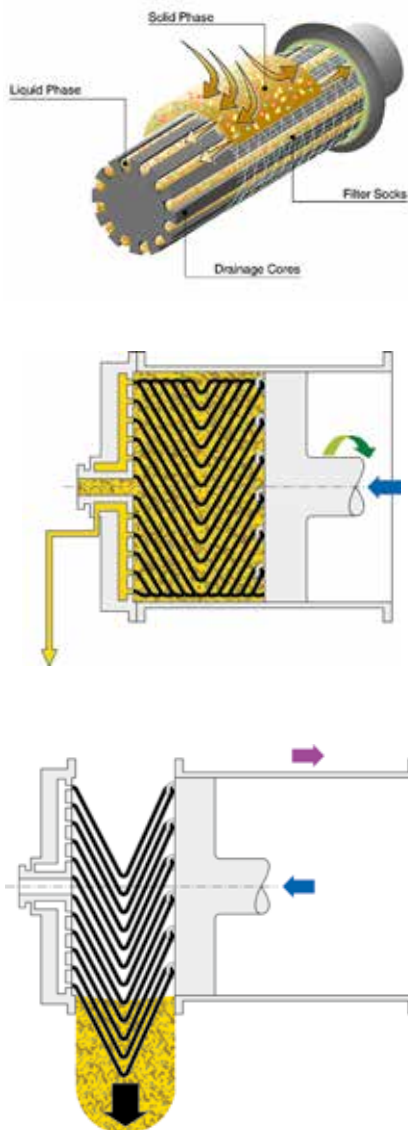
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Universal hydraulic  
filter press for the ex-  
traction of juice from  
apples, pears, berries,  
stone fruits and vege-  
tables

- Highest juice yield with little suspended solid content
- Completely closed and secure hygienic design
- Integrated one to three step leaching system
- High reliability and low maintenance
- Self-optimizing process control with data recording
- Proven unique design



### Application

The Bucher HPX 12007 press is suitable for a wide range of solid liquid separating tasks. The press has been established worldwide for juice extraction from apples, pears, black currants, cherries, grapes, berries, pomegranates, stone fruits and vegetables. It is also successfully in use in the pharmaceutical industry for extraction of enzymes and herbal extracts and is the right choice if highest extraction yield combined with low suspended solid content is required. The yield of valuable substances can be increased by post-extraction with water or other solvents.

### Design and functionality

The HPX 12007 press is designed as a hydraulic piston-cylinder system. A bundle of 180 drainage elements is installed between the piston and the cylinder bottom. After filling the press with product through the central inlet, several pressing cycles

are executed until the desired press result is achieved. A pressing cycle comprises of the gentle pressing of the product by the forward moving piston and subsequent intensive loosening of the press cake while the piston moves backward and the press unit is rotating. The interaction of pressing and loosening steps is unique and leads to maximum yield of high quality juices with low suspended solid content. After the pressing is finished the press cylinder opens and the pressing residue is discharged.

The self-optimizing control system determines the pressability of the product in every process phase. The pressing parameters are continuously adapted to achieve optimum throughput and yield. Realtime data recording provides comprehensive data of process cycles and production results.

### Technical data

Throughput with apple	13-18 t/h at 82-93 % w/w yield
Press chamber volume	12'000 liters
Number of drainage elements	180
Empty weight	26'600 kg
Dimensions	9'770 x 3'550 x 2'970 (L x B x H in mm)
Connected load	58 kW

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### Products and Services

Process technology for fruit and vegetable processing to juices, concentrates and puree production, for brewing solutions, for filtration, for milk powder production, for the vacuum drying of liquid and solid products, for freeze drying of coffee, tea, fruits, vegetable, etc. Technology for municipal and industrial sludge dewatering and drinking water filtration

### Products

Fruit reception lines, mills, mash heaters, hydraulic presses, membrane filtration equipment, cold block equipment, adsorber, ion exchanger, evaporators and aroma plants, pasteurizers, CIP systems, vacuum and freeze drying cabinets and belt dryer, zeolite adsorber, complete processing lines

### Services

Process development and project engineering; assembly and commissioning; technical support; original spare parts; inspection; service contracts; retrofits; training; service and maintenance; NetService