FilterPress™
for Extractions & Purification

The positive pressure FilterPress provides a superior solution to vacuum nests and centrifuges for filter-based extractions and purifications.

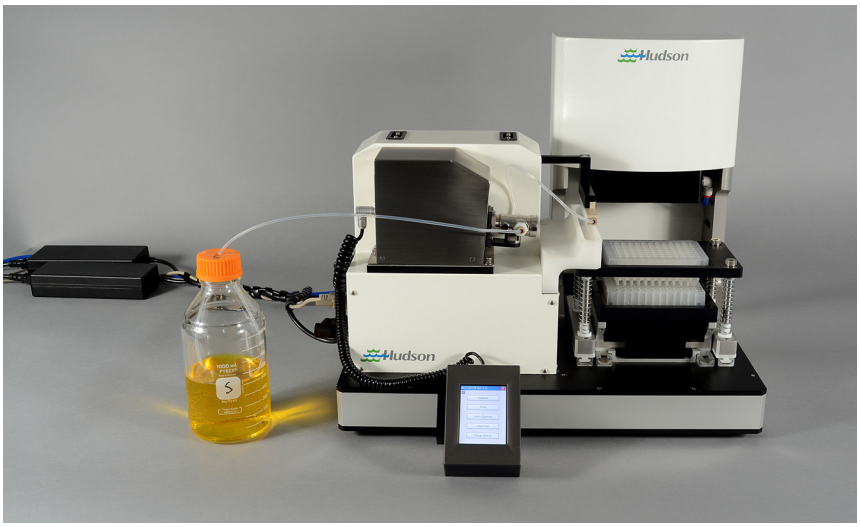
Hudson's FilterPress™ is an affordable, flexible improvement over vacuum nests and centrifugation.

Designed to handle ANSI SLAS-formatted filter plates and columns, the FilterPress can triple the pressure differential available from vacuum nests. It has fully-automated mechanical action, and is ready to be integrated with robotic liquid-handlers, robot arms and reagent dispensers.

The FilterPress can also eliminate the need for centrifugation of filter columns, due to the high pressure and flow it can exert on your filter columns. This lowers the cost and complexity of your process, and makes automated loading far easier.

FilterPress Pressure Filtration

- Handles ANSI SLAS footprint filter plates or column arrays.
- 96-, 48-, 24-position, or any other format.
- Accomodates filter columns up to 3.5-inches high (taller with custom modifications).
- Provides more than 3 times the pressure differential and flow rate of vacuum nests.
- Available with an optional heated air source (20° – 100 °C).
- Integrates easily with most liquid handlers and robot arms.
- Provides easy access to lower collection plate nest.
- Available with attached reagent dispenser.
- Small size fits easily on lab benchtops.
- Compatible with manual or robotic loading and operation.

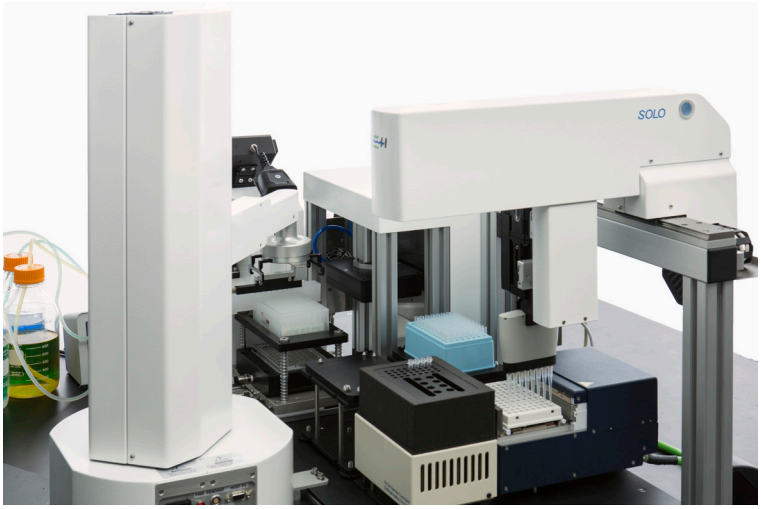


FilterPress with Micro10x Dispenser

Applications

The FilterPress is the ideal solution for filter-based separations:

- DNA Extraction
- Protein Purification
- DNA Purification
- Plasmid Mini-Prep
- RNA Purification
- Solid Phase Extraction



FilterPress as part of Hudson's Synthetic Biology Workstation.

Specifications

Dimensions	FilterPress Only 12" W x 16.5" D x 18.5" H	FilterPress with Micro10x 20.5" W x 16.5" D x 20" H
Filtration Pressure	Programmable, from 0 to half the air supply pressure	
Filter Column Dimensions	ANSI SLAS-standard footprint, 1" to 3.5" height	
Collection Plate Dimensions	ANSI SLAS-standard footprint, 0.4" to 2" height	
Operating temperature	Ambient to 100°C (with Heater Option)	
Computer interface	RS232	
Power input	115V / 220V AC, 50/60 Hz	
Air Supply	60 to 120psi; 10 SCFM @ 100psi max. flow	

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