

**Brand New, In Stock
1000 mm Filter Press**



*Electro-Hydraulic Sidebar Filter Press with
Automatic Plate Shifter.*

Contact Us Today for Pricing: (866) 481-3694

1000 mm Electro-Hydraulic Filter Press

Description: The filter elements are supported in a fabricated mild steel Filter Press framework. At one end of the filter is the feed head and at the other is the cross head containing the hydraulic closure, both with integral legs and base. The moving head (tail plate) along with the feed head will enclose the filter elements by hydraulic force provided by the power pack. Extensive use of box designs and heavy gauge plate ensure a rugged and robust framework design, ideally suited to the rigorous conditions encountered in filtration applications.

SPECIFICATIONS

Filter Capacity:	707 litres (24.97 cu.ft.)
Total Filter Area:	47.32 m ² (509.16 ft ²)
# of Chambers:	27 (RECESSED plate configuration)
Filter Plate Size:	1000mm x 1000mm (39.37" x 39.37")
Plate Stack Length:	1.68 m (66.14")
Max Pressure:	8 bar (117.60 psig)
Feed Type:	Center
Filtrate Porting:	4 Ports



Plate Suspension: Rectangular section mild steel side bars, connecting the cross head and feed head of the framework and supporting the plate pack and moving end (tail plate). Includes stainless steel wear strips.

Hydraulic System: Press operation is achieved by hydraulic power. Trent electro-hydraulic oil/oil intensified power units are designed for 5000 psi maximum closure pressure. The power unit consists of a low pressure (800-1000psi) high volume pump/motor unit, industry standard ISO pattern valves mounted on a modular bar manifold, provisions for expansion to operate optional accessories and a high pressure (5000 psi) hydraulic intensifier with steel valve manifold for press closure. This unit includes optional shifter accessory valving.

Cylinder: A 7" bore, flanged mounted main clamping cylinder. 5,000 psi maximum working pressure, 30" stroke with SAE connection ports.

Liner Pipes: CPVC Feed and filtrate liner pipe connections from the feed head plate and terminating with ANSI flanged connections for the filtrate manifold.

Filtrate Manifold: Filtrate Manifold is quoted as a separately priced option.

Control System: Control panel, PLC and operator included in the panel Functions controlled from the control panel: 1) Open/Close Filter 2) Shifter Manual/Automatic.



Qty: 28 Model Number: PR100- Configuration: Recessed

High performance molded polypropylene, recessed filter press plate, with pipped cloth drainage support surface. Designed for optimum filtrate discharge flows and resistance to specified operating temperature and pressure.

Size: 1000 mm	Cake Thickness: 32 1.26 "	Area (x2): 169.0 18.19
Pressure: 8	Plate Thickness: 60 2.36 "	Volume: 26.2 litres 0.93 ft ³
Filtrate: Closed	Web Thickness: 28 1.10 "	Weight: 32.0 kg 70.5 lbs

Filter Cloth: One complete set [28 cloths] of style 807 welded rubber neck Filter Cloths with latexed edges is included. All Filter Cloths are precision-manufactured with state-of-the-art Laser Cutters. These cloths are designed for easy attachment by pushing one half of the cloth through the feed hole of the plate and securing both sides by means of grommets and ties.

Plate Shifting: A hydraulically-driven shifter system comprised of two stainless steel carriages running along the length of the Filter Press side rails and controlled from an operator pendant or lanyard pull cord. Two stainless steel plate-latching carriages accomplish the movement of each Filter Plate with an adjustable hydraulic speed and force, coupled with the control timer. A positive hydraulic movement assists the filter cake's discharge from each chamber and provides an ergonomic method for cake handling.

Included Option: Expansion piece to expand number of chambers to thirty-seven (37). (Filter plates for expansion are sold separately.)

Included Option: Grey molded cake scraper with 26" handle for 1000 mm Press.

Included Option: Filtrate Manifold: 1000 mm simple CPVC piped manifold with flanged connection to the filtrate liner pipes at the feed head. Two manual valves for direction and operation of air flow.

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