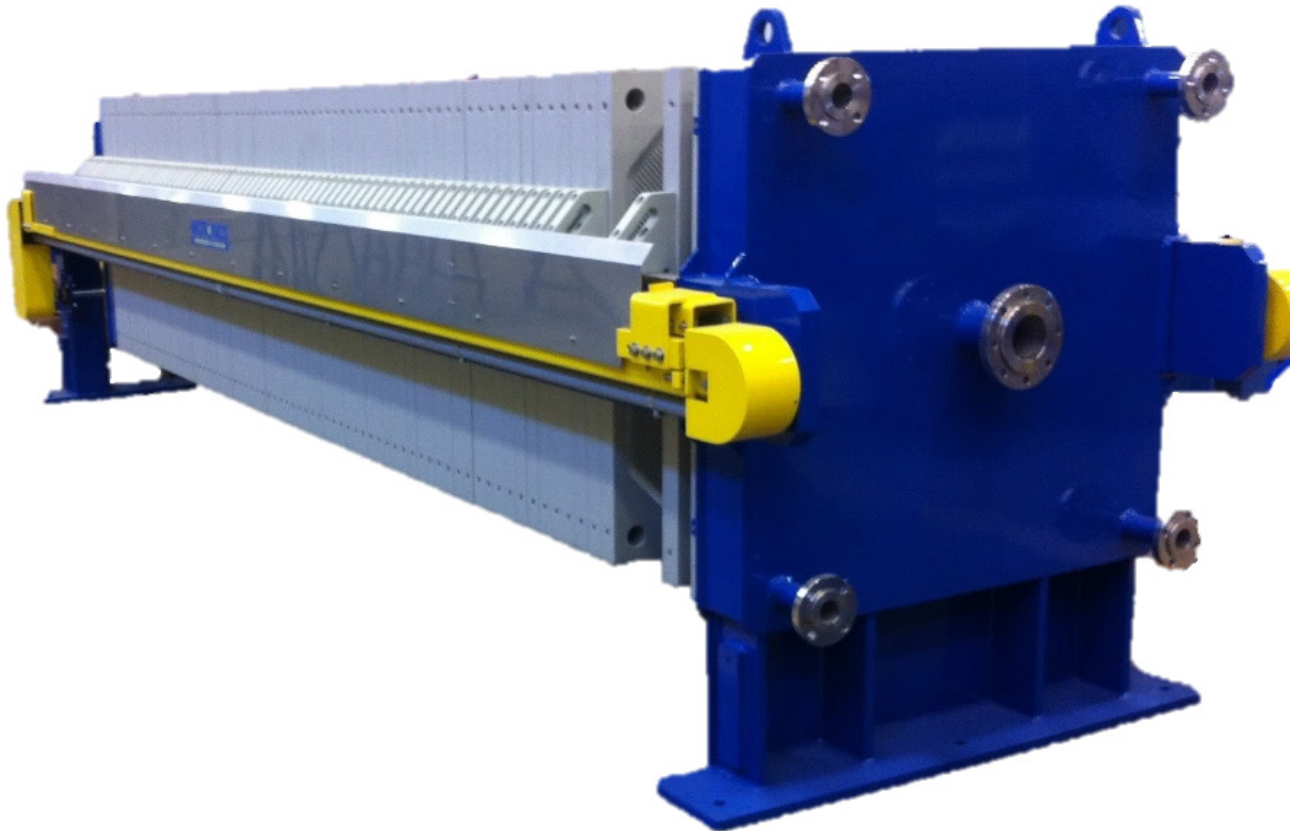


# MICRONICS

MICRONICS ENGINEERED FILTRATION GROUP

## **Brand New, In Stock 1200 mm Filter Press (100 ft<sup>3</sup>)**



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

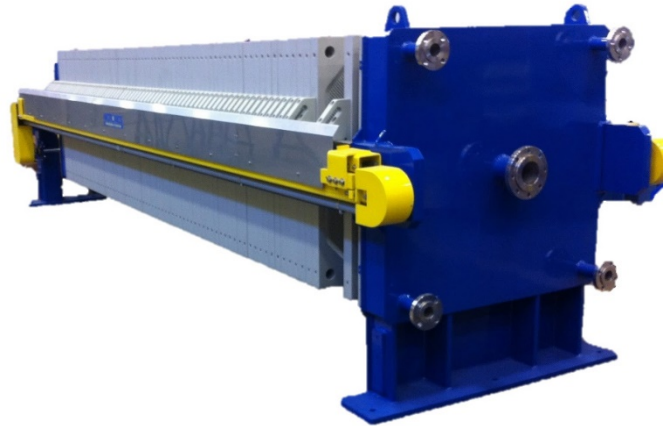
*Contact Us Today for Pricing: 866.481.3694*

## 1200 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 "Center Feed" feed head with 4 Corner Ports 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:	2810 litres (99.21 cu.ft.)
Total Filter Area:	178.64m <sup>2</sup> (1,922.12ft <sup>2</sup> )
# of Chambers:	73 (RECESSED plate configuration)
Filter Plate Size:	1200mm x 1200mm (47.24" x 47.24")
Plate Stack Length:	4.59m (180.63")
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.

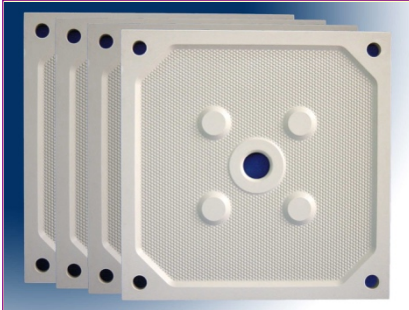
**Hydraulic System:** Press operation is achieved by hydraulic power. Trent electro-hydraulic oil/oil intensified power units are designed for 5000 psi maximum closure pressure. The power unit consists of a low pressure (800-1000 psi) high volume pump/motor unit, industry-standard ISO pattern valves 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:** 8" bore - 4" rod, flanged mounted main clamping cylinder. 5,000 psi maximum working pressure, 32" stroke with SAE connection ports.

**Liner Pipes:** 316 stainless steel feed liner pipes and 316 stainless steel filtrate liner pipes terminating with 150# flanged manifold connection points integrally welded in feed head fabrication. Liner pipes are enclosed by internal carbon steel seal-welded tubes to double seal against liquid intrusion into the interior of the feed head fabrication. Compatible with 304 or 316 stainless steel manifolds.

**Filtrate Manifold:** Valve manifold is by others.

**Control System:** A NEMA 4X Fiberglass control cabinet mounted on the Crosshead end of the Filter Press with A-B Micrologix PLC for controlling Filter Press functions: open/close, drip trays and shifter operation.



Qty: 74    Model Number: PR120-08/32    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: 1200mm	Cake Thickness: 32 1.26	Area (x2): 241.4 25.98
Pressure: 8	Plate Thickness: 62 2.44	Volume: 1.36 ft <sup>3</sup>
Filtrate:	Web Thickness: 30 1.18	Weight: 99.2

**Filter Cloth:** One complete set [74 cloths] of filter cloths is included. All cloths are precision-manufactured by 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.

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