

FILTER PRESS

Filter Presses are the most efficient way to filter out solids at scale. We offer filter presses in many sizes for medium to large extraction facilities. Filter Presses are the perfect addition to your process line as they can filter your miscella stream quickly and efficiently. These closed-loop systems are simple to maintain and operate and are cost-effective filtration systems.

THE WORKHORSE OF PROFITABLE EXTRACTION FACILITIES

Where it excels:

- o Large-scale filtration applications.
- o Crude oils high in fats, lipids, and waxes.
- o Removing carbon, clay, and biomass from miscella.

FEATURES

- FDA cGMP Compliant
- Air Operated Hydraulic Closing System
- Air Operated Dual Diaphragm Pump
- Stainless Steel Manifold
- Air Blowdown Cake Drying Feature
- Cake Wash Manifold Feature
- Leak-Proof Gasket System
- Made in USA



Our filter presses feature recessed plate, center feed, gasketed plates that do not leak and do not use filter paper. These systems are reliable and straight forward to operate and easy to clean. We adhere to FDA cGMP guidelines in our design and manufacture of these presses. Close attention is taken in the selection even of the paint used.

Features in these systems are second to none, and all our presses are capable of drying your retentate cake with compressed air. You can also wash your retentate cake to remove any valuable compounds left in the cake. Our precoat manifolds allow you to create a depth filtration layer to achieve a quality permeate down to 5-10 microns or better.

Advantages:

- Does not require filter paper.
- · Does not leak.
- Fast, positive pressure filtration.
- Customizable filtration capacity.
- Broad filtration temperature compatibility.
- Compatible with most organic solvents.
- ATEX Zone 2, C1D1 & D2 Compliant

Optional Features:

- o Dumpster Bins for Waste Removal
- o Viton Plate Gaskets
- o Extra Plates for expansion
- o Backer Plates to reduce the size
- o Precoat Tanks
- o Automatic Plate Shifter
- o Many Manifold Options
- o Many Closing Options







Especifications

Model:	470x470mm	630x630mm	800x800mm
Cubic Feet Capacity:	1-2 CF	5-10 CF	8-20 CF
Square Feet Filtration Area:	24-44 SF	102-204 SF	162-405 SF
Chamber Quantity:	7-13	16-32	19-38
Filter Plates:	Polypropylene	Polypropylene	Polypropylene
Feed Pressure:	100 PSI	100 PSI	100 PSI
Operating Temperature:	-40C to 45C	-40C to 45C	-40C to 45C
AODD Pump:	1"	1.5"	2.0"
Manifold Material:	316SS	316SS	316SS
Manifold Configuration:	Many	Many	Many
Regulatory Compliance	FDA cGMP	FDA cGMP	FDA cGMP
Overall Dimensions:	76"L x 29"W x 46"H	141"L x 36"W x 52"H	175"L x 55"W x 65"H

