

KONTEK Ecology Systems Inc.

Wastewater Treatment & Recovery Technologies

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Filter Press Systems 630 series

Kontek has been a leading manufacturer of filter press equipment for over 20 years.

From the smallest, manually operated Junior series press to the largest, fully automatic Major series, the same high-quality workmanship, precision engineering, continuous product improvement, and attention to detail have made Kontek filter presses an industry standard.

Kontek's in house state of the art manufacturing facility guarantee the quality and reliability of every filter press.

Kontek Junior Series Filter Presses feature a two-stage air over oil automatic hydraulic pumping system. A simple turn of the hydraulic activating lever and the press is closed to operating pressure and ready for use. A factory-set pressure relief system avoids over pressurizing the hydraulic system. At the end of the press cycle a simple lift of the release valve allows a specially designed spring assist return system to automatically retract the steel follower tail plate and the press is ready for clean-out. A two-stage manual hydraulic system is also available on the Junior series filter presses.

Kontek Major Series Filter Presses feature fully-automatic operation controlled from a conveniently located control panel. The control panel houses the system's monitoring gauges and pneumatic switching systems. The hydraulic systems feature heavy duty double acting hydraulic cylinders, high quality proprietary hydraulic pump complete with air filter/regulator/lubricator, and hydraulic oil reservoir level indicator.

All Kontek Filter Presses are factory tested and pre-set for the correct operating and safety pressures.

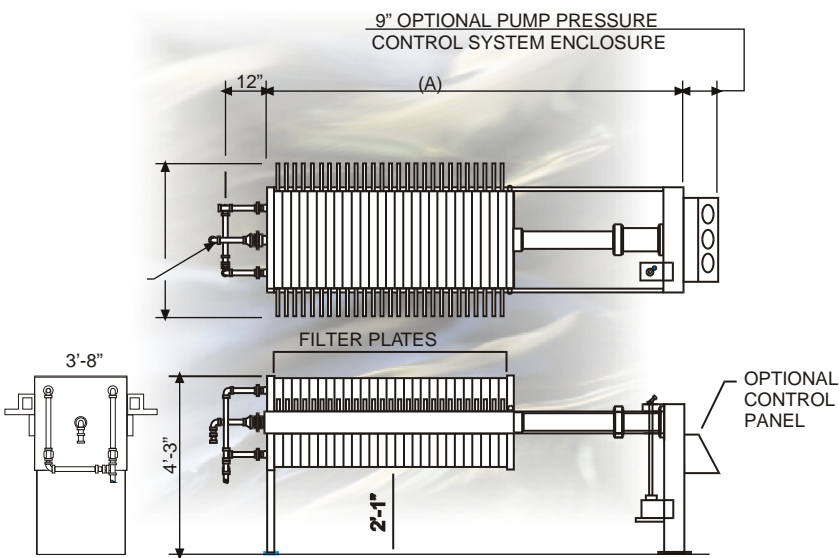
Kontek filter presses also feature Lenser one-piece molded high density polypropylene corrosion resistant filter plates.

Kontek 630 Series Filter Presses

Feature:

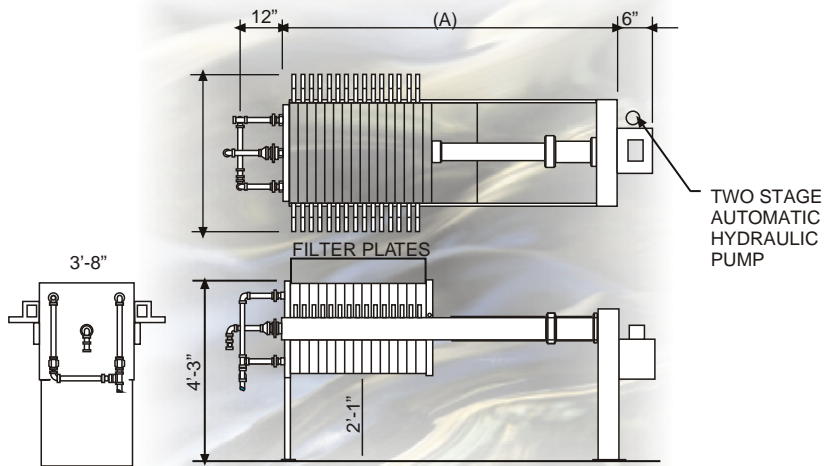
- Heavy duty welded cold rolled steel or stainless steel frame
- Patented universal follower tail plate swivel joint for precise alignment of filter plates
- Painted with two coats of corrosion resistant epoxy paint
- Heavy-duty hydraulic pump and cylinders
- Stainless steel rail caps
- Available extended frame and expansion systems
- Available elevated frame models for direct to drum or cubic-bag discharge





MAJOR SERIES FILTER PRESS 630 mm PLATE

MODEL	CAPACITY Ft ³	NO. of PLATES	FT ³ / CHAMBER	L In.	H In.	C In.	W In.	DRY WEIGHT lbs.
M630-2.0	2.0	8	0.3	73	51	24	42	1376
M630-3.0	3.0	11	0.3	80	51	24	42	1454
M630-4.0	4.0	14	0.3	87	51	24	42	1558
M630-5.0	5.0	18	0.3	96	51	24	42	1662
M630-6.0	6.0	21	0.3	103	51	24	42	1765
M630-7.0	7.0	24	0.3	109	51	24	42	1868
M630-8.0	8.0	27	0.3	116	51	24	42	1971
M630-10.0	10.0	33	0.3	132	51	24	42	1971
M630-12.0	12.0	39	0.3	148	51	24	42	1971
M630-14.0	14.0	45	0.3	x	51	24	42	1971
M630-15.0	15.0	48	0.3	x	51	24	42	1971



JUNIOR SERIES FILTER PRESS 630 mm PLATE

MODEL	CAPACITY Ft ³	NO. of PLATES	FT ³ / CHAMBER	L In.	H In.	C In.	W In.	DRY WEIGHT lbs.
J630-0.6A	0.6	3	0.3	48	51	24	42	1376
J630-1.0A	1.0	5	0.3	54	51	24	42	1454
J630-2.0A	2.0	8	0.3	59	51	24	42	1558
J630-3.0A	3.0	11	0.3	66	51	24	42	1662
J630-4.0A	4.0	14	0.3	73	51	24	42	1765
J630-5.0A	5.0	17	0.3	80	51	24	42	1868
J630-6.0A	3.0	21	0.3	87	51	24	42	1971

Note: All dimensions are approximate & are subject to change without notice. Please contact factory for drawings and specifications.

All presses are supplied complete with Filter Plates:

- CRN Gasketed Filter Plates: 630mm x 630mm HD Polypropylene
- Recessed Chamber: Center feed, Four corner discharge
- Cake Thickness: 1-1/4"
- Non-Gasketed plates are available
- Consult factory for optional plate materials

OPTIONAL Equipment

Pneumatic plate shifters

Semi-automatic or fully-automatic plate shifting systems are available on all Kontek filter presses



Manifold Systems

Manifold systems are available in the following materials:

PVC • CPVC • Polypropylene
Kynar (PVDV) • Stainless Steel



Manifold systems are available with manual or automatic valving for:

- Clean In Place cloth cleaning systems
- Filter cake washing systems
- Automatic air blow-down systems
- Filter cloth precoating.

Automatic Pump Pressure Control Systems

Kontek PPCS Automatic Pump Pressure Control System automatically increases the feed pump pressure in three stages throughout the filter press cycle.



The PPCS monitors the hydraulic cylinder pressure and automatically stops the feed pump should a drop in hydraulic pressure occur.

The PPCS system automatically stops the feed pump at the end of the filter cycle and alerts the operator to the "Press Cycle Complete" (Optional models can start and stop a timed air blow down cycle)

Hoppers and Drip Trays

Self dumping hoppers with safety chain and heavy duty corrosion resistant swivel casters.



Steel or Polypropylene slide out drip trays prevent any seepage from contaminating shop floor or dumpsters.

Bomb bay style drip trays, custom mezzanines and discharge chutes are also available.

Membrane Plate Filter Presses

Membrane Plate filter presses are available in Major Press styles only. Membrane System benefits are shorter filter press cycles, higher efficiency cake washing, and dryer filter cake. Filter cake is squeezed up to 225 PSI (15 Bar) to remove moisture from the filter cake.

