



Systems: Hy-Pack® Filter Presses

Hy-Pack® Filter Presses

Beckart's Hy-Pack® Series of filter presses offer excellent solids retention, simple operation, and years of reliable service.

These plate-and-frame presses typically produce 35-50% solids in the filter cake, outperforming other filtering methods such as rotary vacuum, horizontal vacuum, and belt filter presses. All-steel welded construction and durable polypropylene filter plates are standard.

With full automation capabilities, operator time is limited primarily to press set-up, cake removal, and basic housekeeping. Hy-Pack® filter presses readily interface with existing equipment, and are easily expandable to accommodate future plant process changes.

Standard Features

- Cold-draw steel side rails.
- Solid hot-rolled steel head and follower plates.
- All-welded hydraulic cylinders.
- Air blowdown drain system.
- Polypropylene recessed filter plates rated at 100 psi.
- Polypropylene filter cloths with gasketed edges.
- 2-speed hydraulic pumps.
- Simple operation.

Optional and Related Equipment

- Cake dumpers.
- Drum disposal system.
- ConveyORIZED discharge.
- Plate shifter.
- Emergency shutdown.
- Air-operated hydraulic system.
- High-efficiency Infrared sludge dryers.

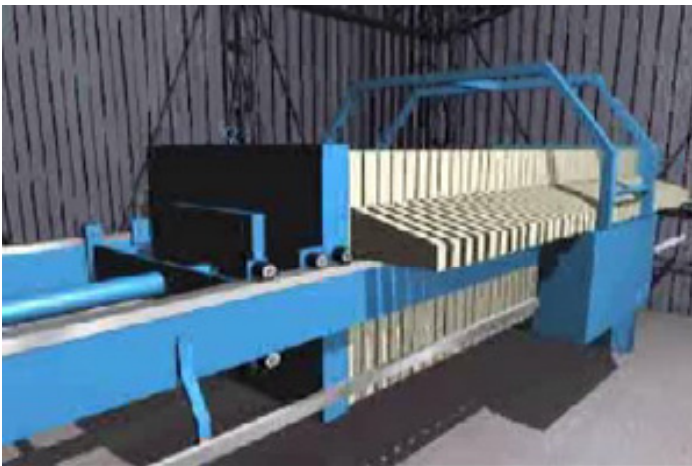
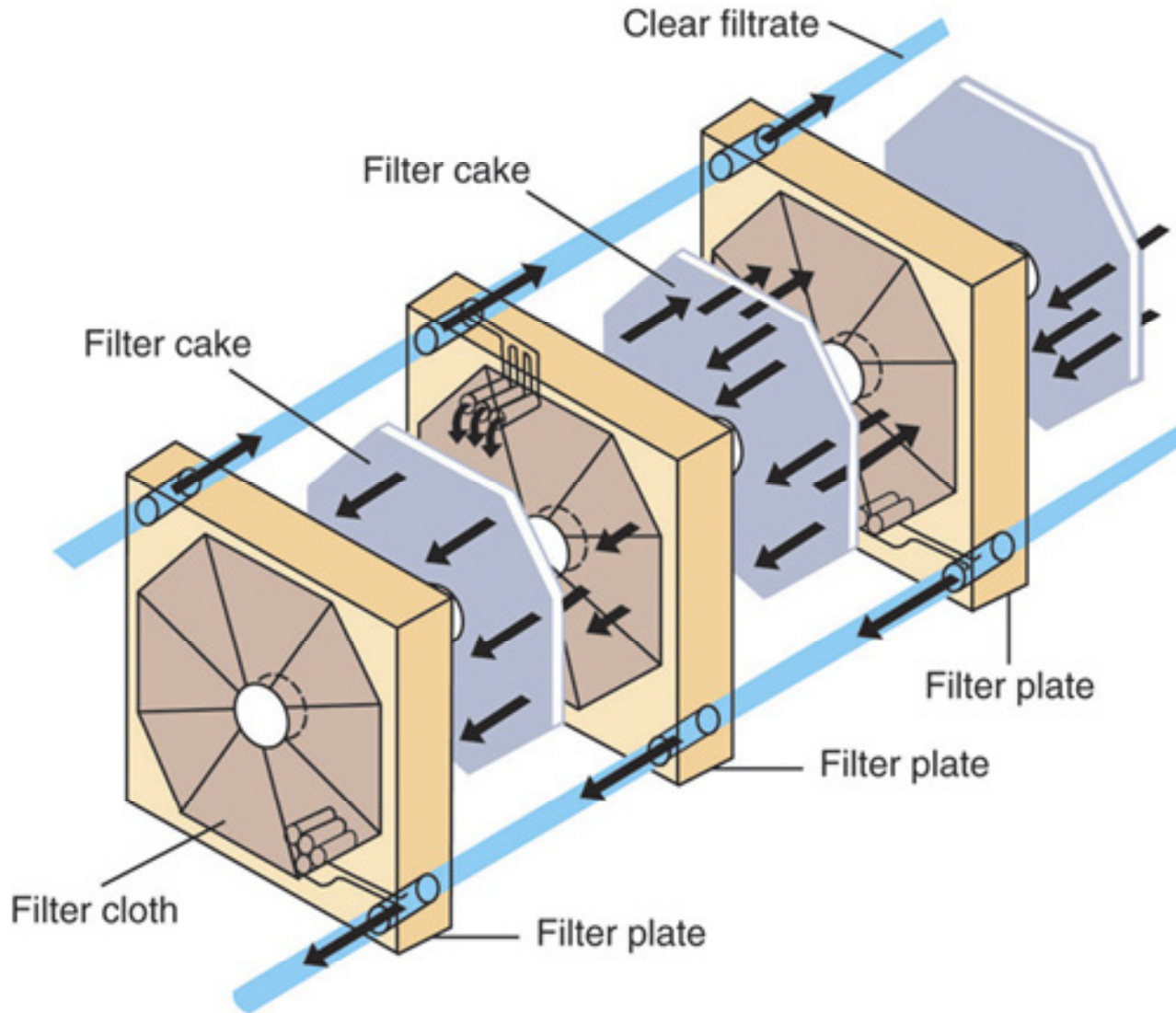


PLATE SIZE	PLATE DESCRIPTION
470 mm	Small manually operated presses with capacities up to 4 cubic feet in volume.
630 mm	Manually and semi-automatically operated press up to 15 cubic feet.
800 mm	Semi-automatic presses up to 30 cubic feet.
1000 mm	Semi-automatic presses up to 60 cubic feet.
1200 mm	Semi-automatic presses up to 125 cubic feet.
Note: Expansion capabilities on the filter presses are available. Most filter presses with the 470 mm and 630 mm filter plates are designed to be expandable to twice their volume.	



Automatic Sequencing Process



GRAVITY FEED

Via pre-set timer /counter control.

LOW PRESSURE FILL

PLC engages sludge pump transfer to the filter press at a low psi for a set amount of time.

STROKES MONITORING /PRESSURE INCREMENTING

The total number of strokes per minute dictates whether the pressure will remain at the same level or increase to the next setting as set in the PLC program. The PLC will increase the psi level when the number of pump strokes is the same or exceeds the number set in the PLC program.

TIME INTERVAL BETWEEN STROKES

Monitoring shifts at the highest pressure level, until the time between pump strokes becomes greater than the set time in the PLC

FILTER PRESS CYCLE OVER

