

FILTER PRESS

FUNCTION

Equipment fully automated for removal and dehydration of sludge issued from small and medium wastewater treatment plants.

Dehydration by pressure enables achievement of approximately 30% (even higher with perfect sludge conditioning).

Dehydration by pressure for dryness results better than other dehydration systems.

CHARACTERISTICS

Standard equipment:

- Filter Press, Salher brand, REF: FP.
- Main structure manufactured in Q235 high quality carbon steel, processed with sandblast and epoxy printing with primer epoxy paint.
- Vertical plates in polypropylene.
- Filtering clothes in polypropylene.
- Hydraulic group for closure and opening control of the hydraulic cylinder. Includes a pressure measurement device for automation of the equipment.
- Combined pressure detector for measurement of sludge pumping at the inlet of the equipment and control of the filtering process.
- Inductive sensor to control hydraulic cylinder opening.
- Collection canal for clarified water manufactured in stainless steel.
- Outlet ball valve for clarified water.
- Safety elements for emergency stop.

Accessories

- Automatic polyelectrolyte preparation unit. SALHER brand, ref: UAP.
- Sludge conditioning tank.
- Screw pump for sludge feeding to the equipment.
- System for plates agitation.
- Hopper for sludge cakes collection.
- Lifting structure of the equipment.
- Kit of lateral protection in transparent methacrylate, with safety control.
- Electrical panel board with PLC and screen.

**A raw water tank with agitation is required for the good operation of the equipment.*

**Equipment supplied with a set of spare parts of filtering cloths.*



Model	Length (mm)	Height (mm)	Width (mm)	ØE	ØS	Size of plates (mm)	Nº Plates	Nº Chambers	Filtering surface (m2)	Volume filtered (L/cycle)
FP-60	3300	890	700	DN 65	1 X 2"	520x520	15	14	6	60
FP-80	4200	890	700	DN 65	1 X 2"	520x520	20	19	8	80
FP-100	2750	1100	1100	DN 65	1 X 2"	700x700	10	9	10	100
FP-200	4450	1100	1100	DN 65	1 X 2"	700x700	20	19	20	200
FP-300	4400	1250	1250	DN 100	2 X 2"	870x870	16	15	25	300
FP-500	4800	1400	1350	DN 100	2 X 2"	1000*1000	17	16	40	500
FP-800	5950	1650	1580	DN 125	2 X 2"	1250x1250	20	19	50	800
FP-1300	6400	1810	2000	DN 150	2 X 2"	1500x1500	20	19	80	1300

For other filtering volumes, please consult Salher.

