AQUALINE
www.aqualine-me.com

STYRE FILTER-PRESS

SLUDGE DEWATERING EQUIPMENTS



STYRE FILTER-PRESS

AQUALINE STYRE Filter Press is an equipment used for dewatering biological or chemical sludge. The dewatering process is carried out by the solid-liquid separation of the sludge by applying pressure filtration with the help of filter press plates and cloths attached to these plates. Filter press selection is determined according to the amount of sludge to be formed in the system and operating conditions. Each filter plate has different sizes and capacities.

AQUALINE FILTER-PRESS TYPES

STYRE - MANUAL MODEL

Manuel Filter-Presses: STYRE In manual models, plate transport and hydraulic piston are used by the operator. It has closed and open discharge features. In closed discharge filter press plates, separation and liquid outlet are not visible from the outside. In open discharge filter press plates; fountains are located on the right and left sides of the plates. The resulting filtrate is transmitted from these fountains to the outlet channels.

STYRE - AUTOMATIC MODEL

Automatic Filter-Presses: STYRE Automatic are the most practical filter presses to use. Sludge dewatering and cake removal are done automatically. Eliminates the need for an operator.

STYRE - SEMI AUTOMATIC MODEL

Semi Automatic Filter-Presses: In STYRE Semi-Automatic Filter Presses, the plates are moved with the help of the operator, but the hydraulic pistons are activated by electric motors.

STYRE FILTER-PRESS FEATURES

STYRE PRESSURE RANGE:
It has an average working pressure of 12-16 Bar.

STYRE DIMENSIONS:
It is possible to produce plates in different capacities from 500x500 mm to 2000 x 2000 mm.

STYRE PLATE MATERIALS:
Plastic materials such as PP, PU, PVDF resistant to 12-16 Bar high pressure are used. While plate selections are made, they are specially selected by considering the type of waste water.

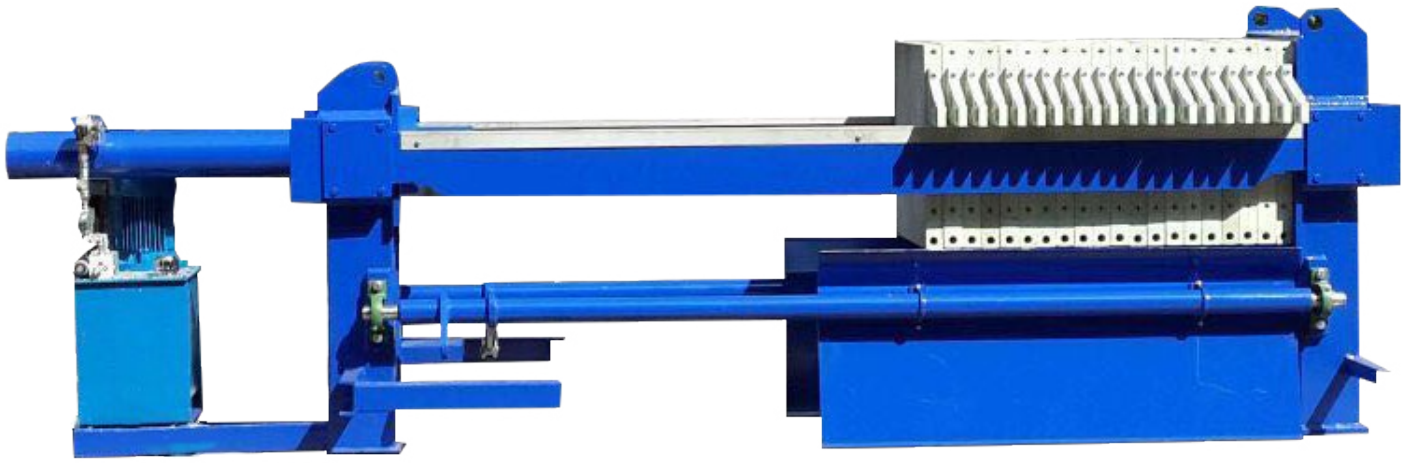
STYRE FILTER CLOTHS:
Among the filter cloths made of all synthetic and natural yarns suitable for the characterization of waste water, the most suitable one is specially selected.



WASTEWATER SLUDGE DEWATERING EQUIPMENTS

MODEL	SLUDGE AMOUNT (kg/day)	CAKE THICKNESS (mm)	FILTRATION AREA (m^2)
STYRE 500x500 5 PLATES	7,5 - 25	32	0,41
STYRE 500x500 10 PLATES	18 - 60	32	0,41
STYRE 630x630 5 PLATES	13,5 - 42	32	0,658
STYRE 630x630 10 PLATES	30 - 90	32	0,658
STYRE 630x630 15 PLATES	48 - 144	32	0,658
STYRE 630x630 20 PLATES	66 - 198	32	0,658
STYRE 800x800 5 PLATES	22,8 - 70	32	1,066
STYRE 800x800 10 PLATES	52,5 - 159	32	1,066
STYRE 800x800 15 PLATES	81 - 246	32	1,066
STYRE 800x800 20 PLATES	111 - 333	32	1,066

* Model designs were made with 3% solid matter content. A new design can be made according to the capacity.



STYRE FILTER-PRESS MODELS*

STYRE 500x500 5 PLATES	STYRE 630x630 5 PLATES	STYRE 800x800 5 PLATES
	STYRE 630x630 10 PLATES	STYRE 800x800 10 PLATES
STYRE 500x500 15 PLATES	STYRE 630x630 15 PLATES	STYRE 800x800 15 PLATES
	STYRE 630x630 20 PLATES	STYRE 800x800 20 PLATES

*Models are specially designed according to customer demand.

