



EUROTECK
ENVIRONMENTAL (P) LTD

LET'S RECYCLE

BELT FILTER PRESS

One-stop solution for those who appreciate high capacity and reliability.



www.euroteckindia.com

WIDE RANGE OF USE

The belt filter press is widely used for dewatering sludge, slimes and suspensions from municipal treatment plants as well as from various industries, including



food and processing industry



pulp and paper mills;



leather and metallurgy industry;



water treatment plants;



biogas plants.

MAIN FEATURES AND ADVANTAGES OF EKOTON BELT FILTER PRESSES

Energetic efficiency and low flocculant consumption. Belt filter press is characterized by low power demand and flocculant consumption. A wide range of power and performance of manufactured models ensures optimal equipment for each project.

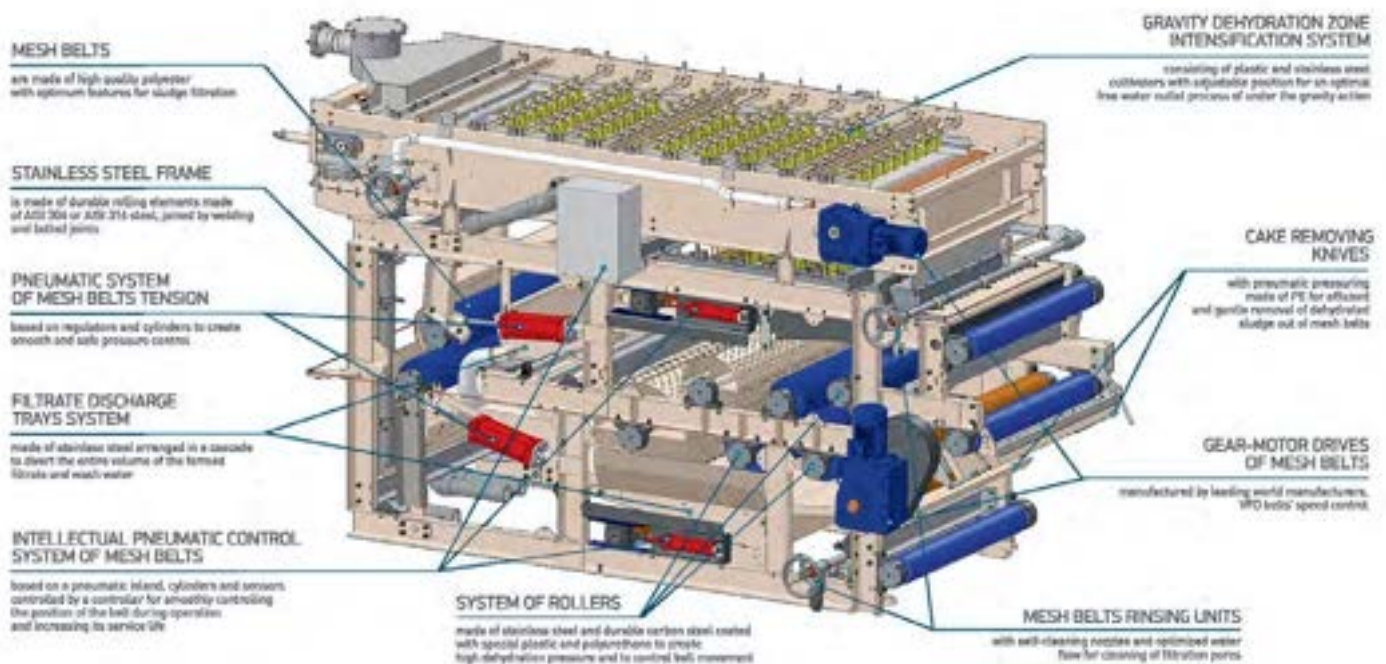
HIGH DEGREE OF DEWATERING.

Ekoton belt filter presses achieve a high degree of dewatering by using tandem pressure rolls of various diameters in the pressing zone. The dewatered sludge of sewage treatment plants after the filter press reaches 20-28 % of dry solids content with an average dose of flocculant of 2-3.5 kg/tDS.

CAPACITY AND SMALL SIZE.

To reduce the hydraulic load on the filter press and to increase its capacity, mechanical dewatering complexes can be supplied with a thickener. Belt thickeners can be used both as a separate unit for sludge thickening to a dry solids content of 3-8 %, or installed above the belt filter press to increase the hydraulic capacity of the complex.

BELT FILTER PRESS WITH THICKENER



EASE OF MAINTENANCE AND OPERATION.

✓ RELIABILITY AND DURABILITY.

The main structural material used for manufacturing belt filter presses is stainless steel AISI 304 or AISI 316 further pickled and passivated. The shafts are made of robust carbon steel with a significant margin of safety and are covered (laminated) with wear-resistant RILSAN plastic. The produced filter presses are equipped with high-quality electric motors, bearings, sensors and control elements from well-known and reliable suppliers.

✓ LOW NOISE AND VIBRATION LEVEL.

High sustainability of the equipment's design ensures low noise and vibration level generation. Belt filter press can be equipped with protective covers with flanges for the exhaust ventilation connection, which prevents the spread of odours.

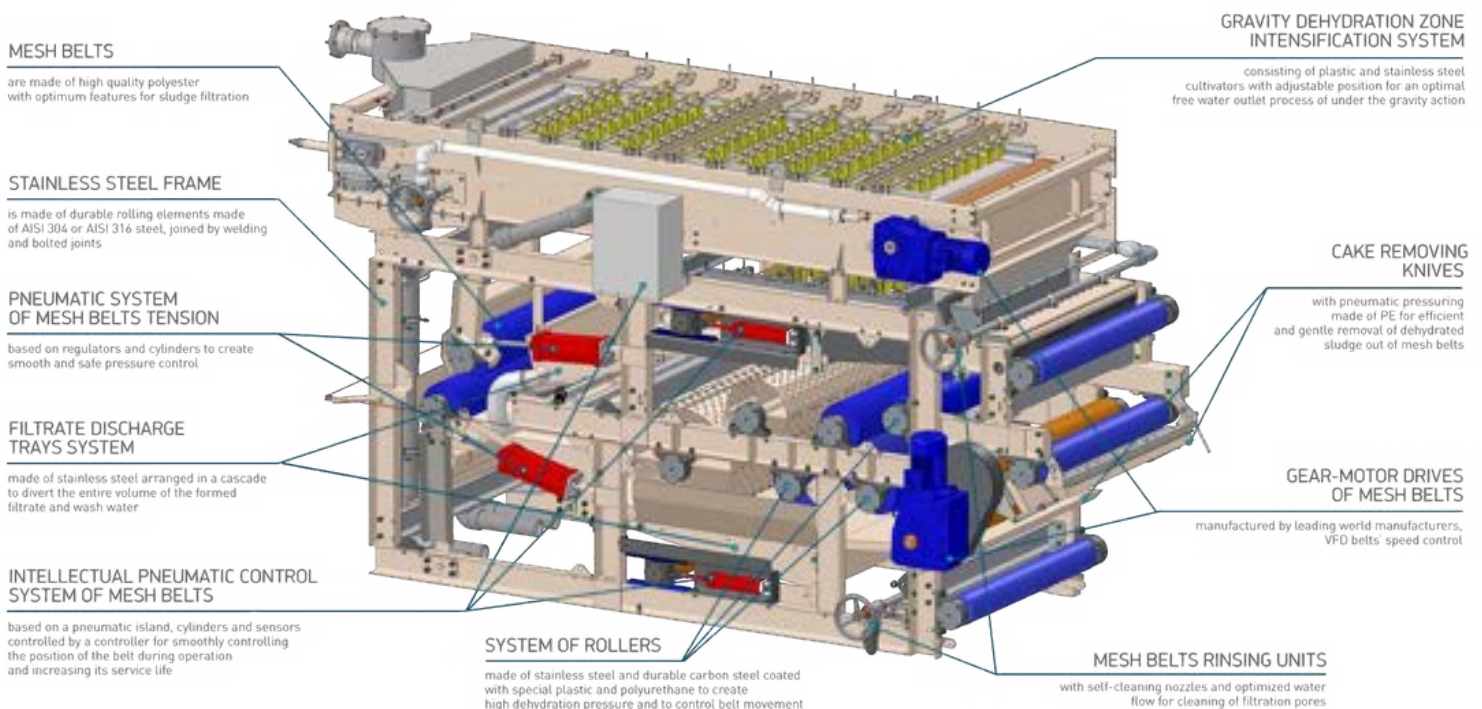
✓ EASE OF OPERATION AND MAINTENANCE.

Use of high quality components and time-tested technical solutions ensure a long service life of the equipment and minimize its maintenance requirements. Belt filter press construction allows for visual control of the dehydration process, convenience of maintenance and replacing wearout elements. The main parts are easily available and maintained with use of standard tools.

✓ CONTINUOUS AUTOMATIC OPERATION.

Smart pneumatic belt management system allows the equipment to operate continuously while increasing the life of belts and pneumatic components. Control system runs the dewatering complex in both manual and automatic modes. Setting of parameters and operating modes is intuitive and easy.

BELT FILTER PRESS



Belt filter presses

Parameter	PL-06C*	PL-12/12C	PL-16/16C	PL-20/20C
Productivity, max:				
-by the dry solids, kg/hr	200	600	800	1100
-by the inlet product, m ³ /hr	8	14/30	20/40	25/50
Belt width, mm	600	1200	1600	2000
Wash water flow, m ³ /hr	5	8	10	12
Motor-gear, kW	1,5	2,2/3,3	2,2/3,3	2,2/3,3

* "C" in the product's name means: filter press is combined with the thickener

Belt thickeners

Parameter	SG-12	SG-16	SG-20	SG-22
Productivity, max:				
-by the dry solids, kg/hr	600	800	1100	1700
-by the inlet product, m ³ /hr	30	40	50	90
Belt width, mm	1200	1600	2000	2200
Wash water flow, m ³ /hr	4	5	6	7
Motor-gear, kW		1,1		2,2





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SPECIFICATIONS

The standard scope of delivery includes:

- » *thickener, dosing pumps for initial sludge and flocculant solution*
- » *flocculant solution preparation station*
- » *compressor*
- » *washing water pressure boosting pump,*
- » *dewatered sludge conveying device.*





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