

## SPECIAL DESIGN

### HORIZONTAL MEMBRANE CHAMBER PLATE

PATENT No. DE 19905674

Filter press with horizontal filter plates set-up

JVK presents a new developed membrane chamber plate system for tower filter presses with easy replaceable membranes.

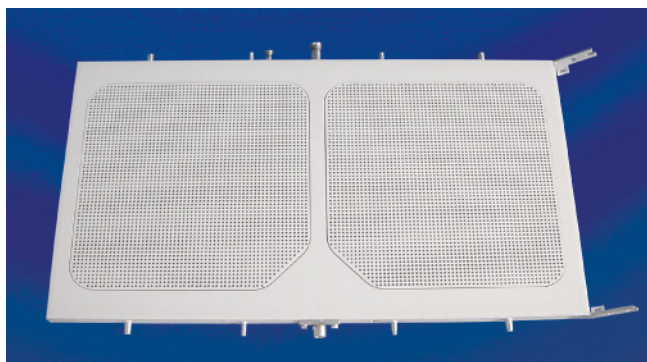
For the stability and the compensation of the thermal expansion the membrane plates are flexible supported by a steel frame.

### APPLICATION

This plate system can be used in many industries.

The typical operating conditions are:

- filtration pressure up to 0,6 MPa (6 bar)
- squeezing pressure up to 1,5 MPa (15 bar)
- filtration temperature up to 90°C



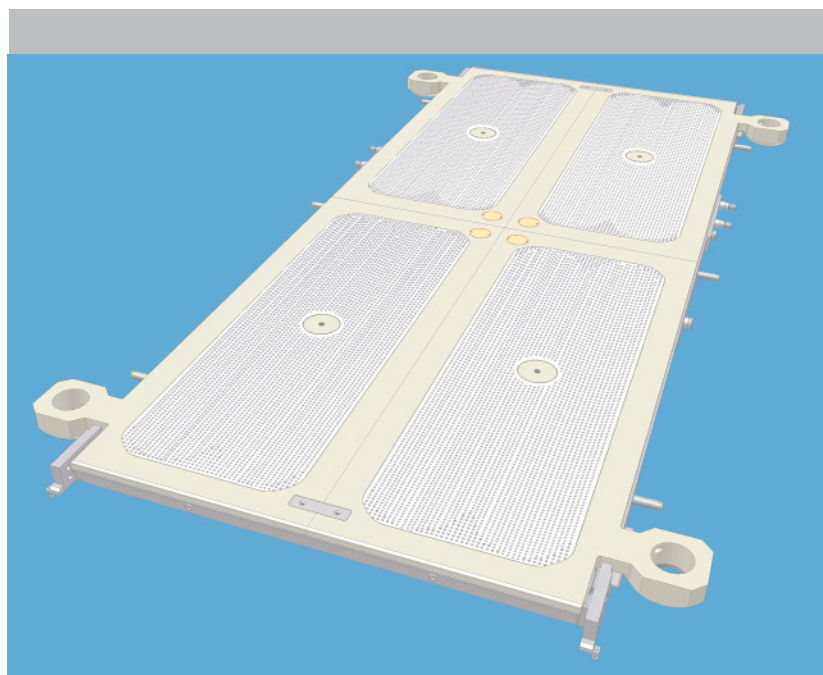
Horizontal membrane plate 2000 x 1000 mm  
view on abrasion resistant PE drainage grid



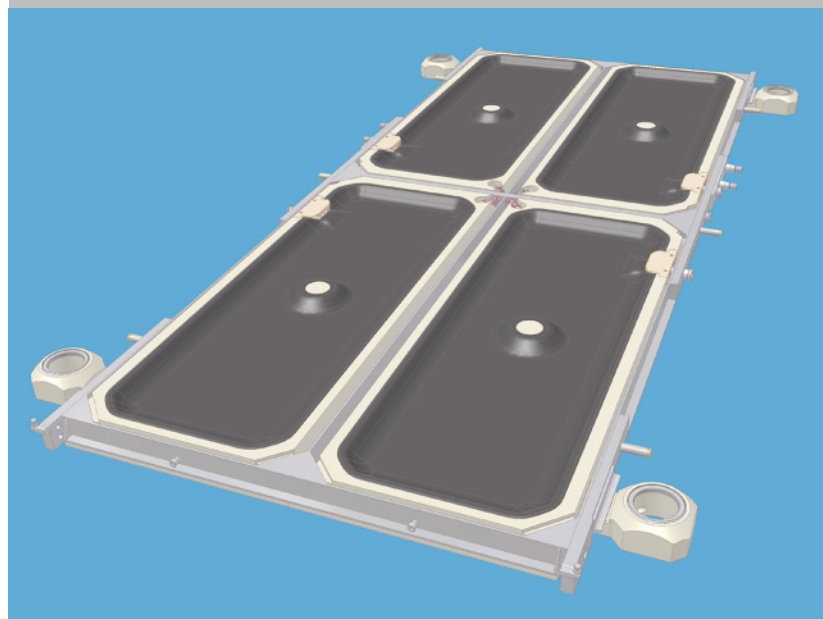
Horizontal membrane plate 2000 x 1000 mm  
membrane view

### ADVANTAGES

- simple conversion of existing plates without reconstruction of the filter press
- fast and easy installation
- minimum 2 chambers per plate with small membranes
- long life time of the small membranes
- fast exchange of the membranes inside the filter press possible
- low weight of the plate
- corrosion resistant PP core plate, easy to clean
- one piece moulded plate
- grid drainage made from abrasion resistant PE



Horizontal membrane plate 4000 x 1700 mm  
view on abrasion resistant PE drainage grid



Horizontal membrane plate 4000 x 1700 mm  
membrane view



Available in the sizes:

2000 x 1000 mm

4000 x 1700 mm

Special designs possible