

JVK Filtration Systems

SPECIAL DESIGN

HIGH PERFORMANCE MEMBRANE CHAMBER PLATE FOR HIGH SQUEEZING PRESSURE UP TO 6,0 MPa

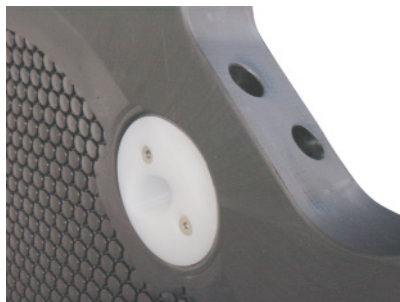
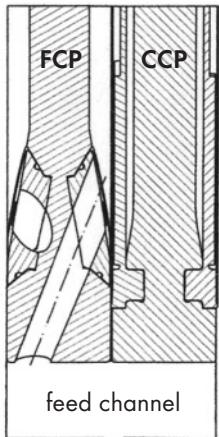
PATENT No. DE 102 21 061 world-wide applied.

With exchangeable, non perforated membranes

APPLICATION

This plate system can be used in all industries

- cooling – heating - temperature control of the filter cake
- squeezing pressure up to 6,0 MPa (60 bar)
- full automatic operation in the filterpress with perfect cake discharge
- the cake thickness 20–50 mm depends on the squeezing pressure



feed hole with inlet nozzle for cloth clamping

OPERATION

- the chamber gets filled by the feed chamber plate (FCP) only
- the filter cloth is clamped leakage-free by a feed nozzle
- the cake is squeezed by the compression chamber plate (CCP)

ADVANTAGES

- extremely high dry solid content in the cake
- no perforations in the membrane
- no blockage of feedport by optimal cake discharge
- full automatic filtration cycle
- any wanted suspension inlet in every chamber possible
- long life time of the membrane
- simple installation
- safe sealing
- use of drape over filter cloth



feed- and combination chamber plate 1500 x 1500 mm



feed- and combination chamber plate 2000 x 1500 mm



filter press with high performance membrane chamber plates 1500 x 1500 mm up to 5,0 MPa (50 bar)