



Certificate number: 2003/358



Filtration Technology Worldwide

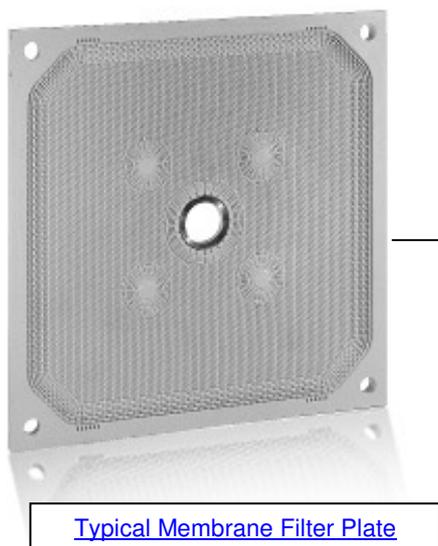
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TYPICAL FILTER PLATES

MEMBRANE FILTER PLATES



Typical Membrane Filter Plate

Membrane Filter Plates

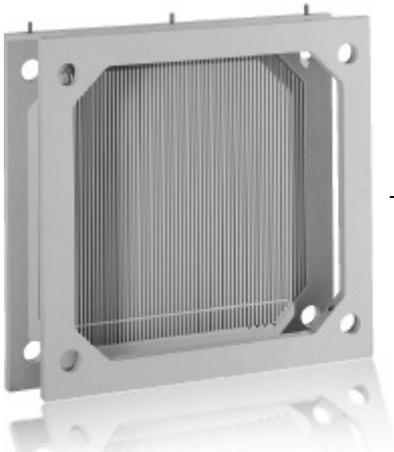
- * Reduce filter cake moisture content
- * Reduce filtration cycle time
- * Improve cake washing

This style of filter plate can be installed as:

- * A full plate pack
- * Alternately in conjunction with recessed companion plates as a more economical option

They can be fitted to existing membrane machines or can be retro fitted as an upgrade to existing recessed machines. For the second option additional equipment will be required to ensure the safety of the operator and correct operational procedures. Available in centre feed and corner feed configuration to suit your requirements.

PLATE AND FRAME FILTER PLATES



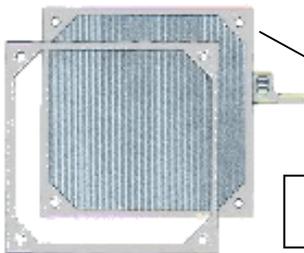
Typical Plate & Frame Filter Plate

Plates and Frames

Plates and frames are used for their excellent cake washing and air-blow capabilities. Frame thicknesses range from 10mm-60mm.

Due to the design of this style of filter plate it can be used in conjunction with a filter paper enabling fine slurries to be filtered as in the production of pigments and dyestuffs.

This can be used for polishing applications where a filter cake is not always formed but throughput based on filter area takes precedence over chamber volume.



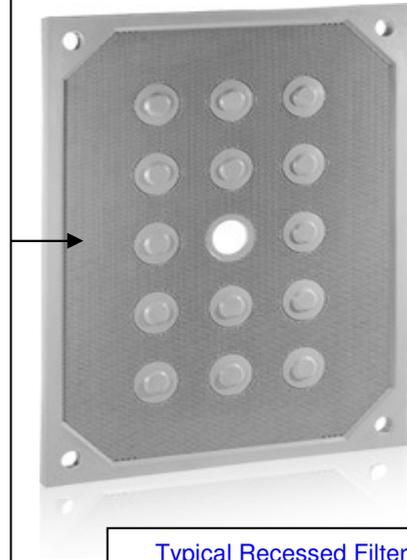
Plates and frames are installed alternately as shown below

RECESSED FILTER PLATES

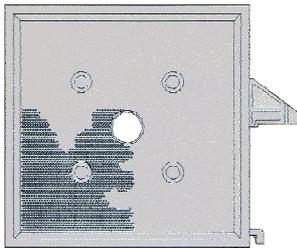
Recessed filter elements represent a lower cost and efficient standard equipment for filtration processes with low demands in term of dry solid content. They are available in various sizes for open and closed discharge. All types of polypropylene filter plates are available to suit all manufacture of filter press, applications and conditions.

A range of sizes and cake thickness are available and can be supplied with support handles to suit side bar style machines with the option of manual or automated mechanical handles. Alternatively for overhead-suspended style machines fabricated handles can be supplied to accept existing rollers and tracking arms.

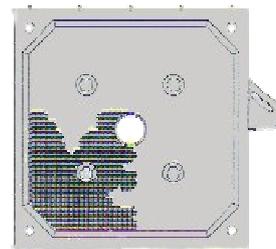
All filter plates are moulded with a pipped filtration surface for maximum drainage area allowing free flow of filtrate out of the chamber and excellent support for the filter media.



Typical Recessed Filter Plate



Open or External Filtrate

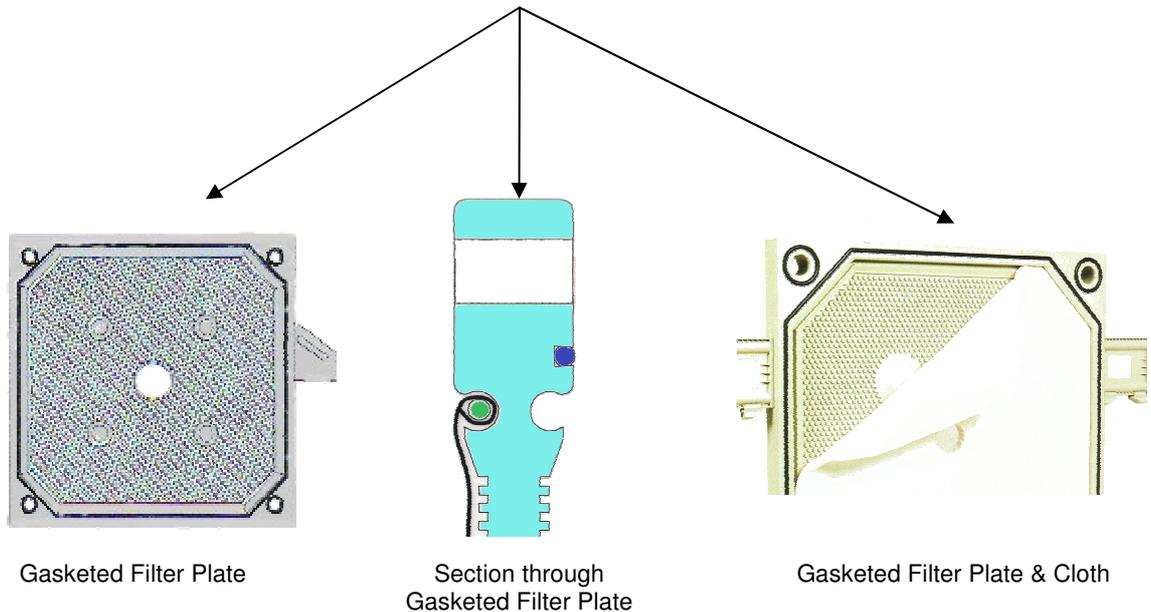


Closed or Internal Filtrate

GASKETTED FILTER PRESS

An alternative to the recessed filter plate the internally caulked filter plates are designed to reduce wicking and edge leakage from the filter plate pack.

This is achieved by the introduction of a caulking groove and a rubber seal on the sealing face of the plate. Filter cloths are installed using a separate rubber 'O' ring to fix the cloth into the groove or by a sewn rope gasket attached around the periphery.



TYPICAL FILTER PLATES

250mm x 250mm
470mm x 470mm
500mm x 500mm
630mm x 630mm
800mm x 800mm
915mm x 915mm
1200mm x 1200mm
1250mm x 1250mm
1500mm x 1500mm
2000mm x 1500mm
2000mm x 2000mm
2100mm x 2100mm