

MSE MEMBRANE FILTER PRESS

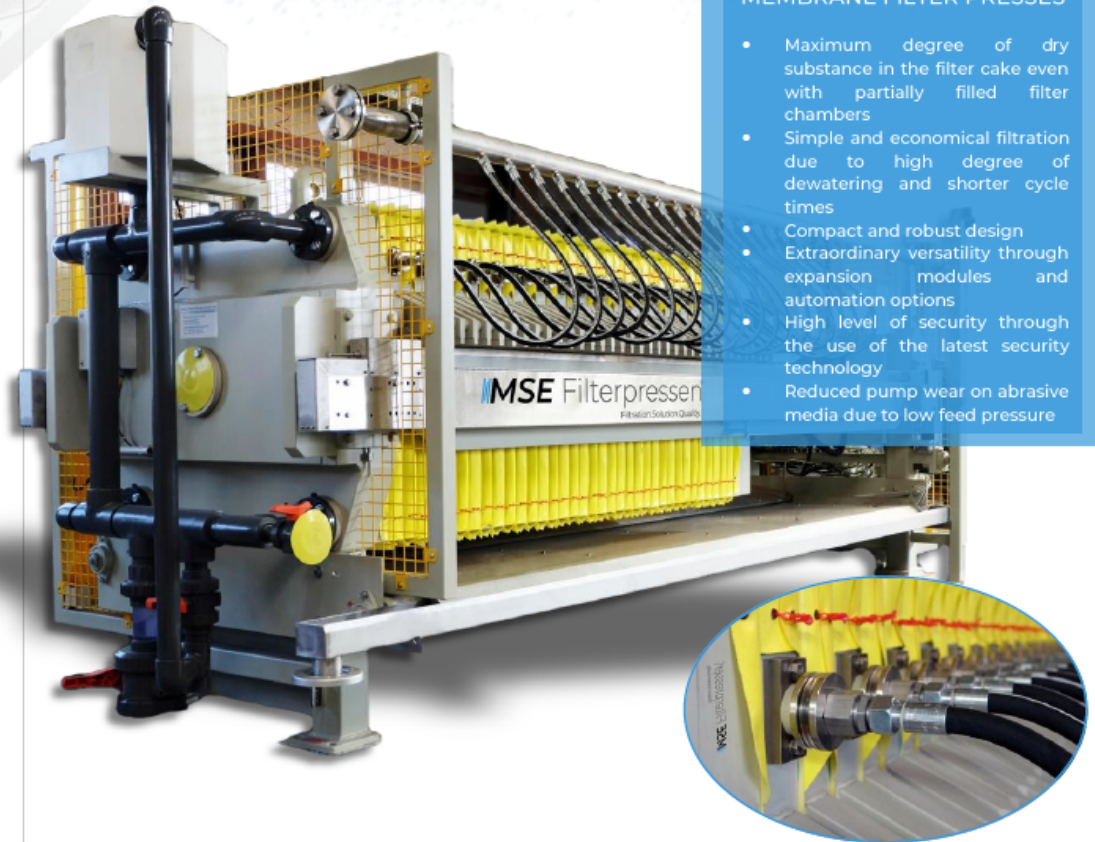
MFP 400 - 2000

Membrane filter presses have a great influence on the dryness of the solid by using membrane technology in the filter plates. Through the use of membrane technology, the membrane filter press achieves the lowest residual moisture in the filter cake compared to conventional separation methods. This makes the membrane filter press a powerful and the most widely used system.

MEMBRANE TECHNOLOGY AS A SOLUTION - IF TIME AND DEGREE OF DEWATERING ARE CRUCIAL

Depending on the degree of dewatering, different dry matter contents (dry matter content - percentage by weight of dry material in the filter cake) can be achieved in the filter cake by squeezing with membrane plates. The range of achievable dry matter contents extends from 30 to over 80 percent.

Membrane filter presses not only offer the advantage of an extremely high degree of dewatering; they also reduce the filtration cycle time by more than 50 percent on average, depending on the suspension. This results in faster cycle and turnaround times, which lead to an increase in productivity. Even with partially filled filter chambers, excellent dry matter results can be achieved thanks to membrane technologies. This even applies with abrasive media, for example, pump wear is decreased by reduced feeding pressure (6-8 bar depending on the suspension) without affecting the final result.



BENEFITS OF MSE MEMBRANE FILTER PRESSES

- Maximum degree of dry substance in the filter cake even with partially filled filter chambers
- Simple and economical filtration due to high degree of dewatering and shorter cycle times
- Compact and robust design
- Extraordinary versatility through expansion modules and automation options
- High level of security through the use of the latest security technology
- Reduced pump wear on abrasive media due to low feed pressure

| Size | Pressure max.(bar) | Max. chamber vol. | Filter cake thickness | FilterCloth Acidification | FilterCake blow drying | FilterCloth washing | FilterCake washing | Plate shifter | Core blowing/ core rinsing | Spreader cloth | Vibrating device I | Vibrating device II | Membrane technology | Splash guard | Corrosion protection |
|----------|--------------------|-------------------|-----------------------|---------------------------|------------------------|---------------------|--------------------|---------------|----------------------------|----------------|--------------------|---------------------|---------------------|--------------|----------------------|
| MFP 400 | 30 | 148 | 15-50mm | + | + | - | - | - | + | + | + | + | - | + | + |
| MFP 470 | 30 | 208 | 15-50mm | + | + | + | + | + | + | + | + | + | X | + | + |
| MFP 500 | 30 | 295 | | + | + | + | + | + | + | + | + | + | X | + | + |
| MFP 630 | 30 | 576 | 15-50mm | + | + | + | + | + | + | + | + | + | X | + | + |
| MFP 800 | 30 | 1288 | 15-50mm | + | + | + | + | + | + | + | + | + | X | + | + |
| MFP 1000 | 30 | 2530 | 15-50mm | + | + | + | + | X | + | + | + | + | X | + | + |
| MFP 1200 | 30 | 4104 | 15-50mm | + | + | + | + | X | + | + | + | + | X | + | + |
| MFP 1500 | 30 | 9594 | 15-50mm | + | + | + | + | X | + | + | + | + | X | + | + |
| MFP 2000 | 30 | 20360 | 15-50mm | + | + | + | + | X | + | + | + | + | X | + | + |