

DIEMME

FILTRATION

TIMBRO AGENTE

DIEMME S.p.A. si riserva il diritto di apportare in qualsiasi momento le modifiche che ritiene indispensabili al miglioramento della sua produzione.

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DIEMME

FILTRATION

Solutions and Systems

World wide leader in solid-liquid separation technology
for industrial processes



ME

ME, speed and automation



| Model | Plate size [mm] | Working pressure [bar] | No. of installed plates | | Cake volume (litres) | | Filtration area [m ²] | | Length [mm] | | Empty weight [kg] | |
|---------|--------------------|------------------------------|----------------------------|------|-------------------------|------|---|------|----------------|-------|----------------------|-------|
| | | | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| ME 630 | 630 x 630 | 15 | 20 | 24 | 150 | 180 | 11 | 13 | 2800 | 4400 | 1350 | 1500 |
| ME 800 | 800 x 800 | 15 | 15 | 30 | 220 | 370 | 14 | 28 | 4300 | 5850 | 2800 | 3500 |
| ME 1000 | 1000 x 1000 | 15 | 21 | 50 | 490 | 1000 | 32 | 75 | 6000 | 9900 | 6800 | 10000 |
| ME 1200 | 1200 x 1200 | 15 | 18 | 51 | 600 | 1500 | 40 | 110 | 6000 | 10500 | 8310 | 13900 |
| ME 1500 | 1500 x 1500 | 15 | 17 | 56 | 900 | 2895 | 60 | 190 | 6200 | 13000 | 12300 | 24800 |

Design:

ME is a side-beam filter press that is extremely versatile, allowing customisation to suit particular processes and clients' requirements.

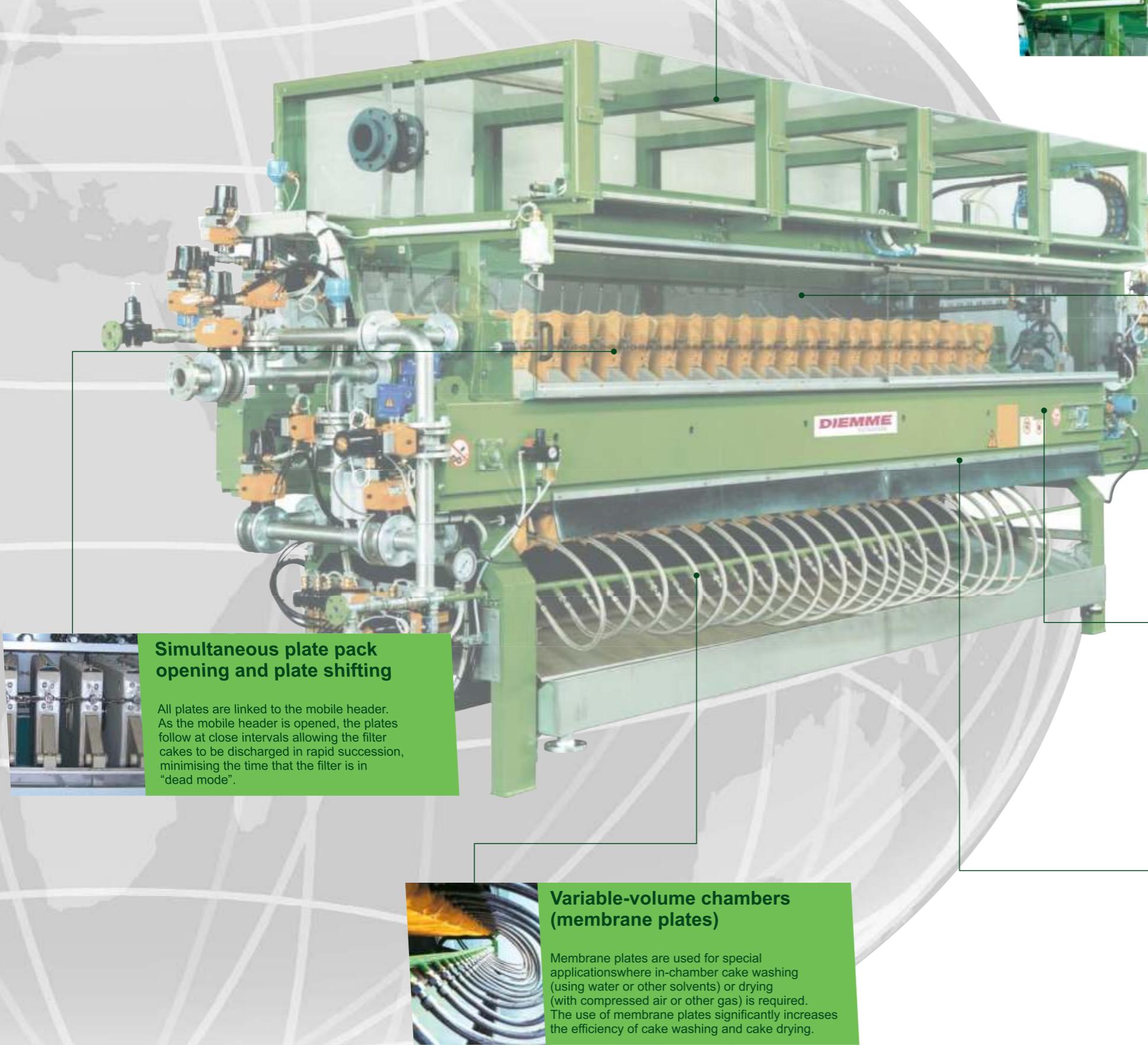
Automation

ME is completely automatic, with short cycles and minimum idle times. The simultaneous plate-pack opening system ensures that the cake is discharged in a very short time.

Dimensions

ME series offers both large and small models. The latter are the smallest truly-automatic filters in the world.

A wide range of accessories



Ventilation hood

A ventilation hood or enclosure allows corrosive or noxious vapours and gases to be collected and removed by an extraction system, ensuring that the operator and the environment is protected from harmful exposure.



Automatic cloth washing

ME have two alternatives cloth washing systems

low-pressure

A close network of nozzles located above the plate pack showers the cloths with water, removing dust and cake remnants.



high-pressure

A robotic arm equipped with nozzles cleans the cloths with high pressure (50 bar) water jets directed perpendicularly onto the cloth surface. This system guarantees thorough cleaning of the cloths, and consequently, helps maintain an optimum filtration rate.



Plate-shaking device

A cam-and-follower mechanism shakes each plate simultaneously, removing residual cakes or cake fragments from the chambers.



Protective bellows for hydraulic jack

The piston of the hydraulic jack is protected against dust and corrosive liquids by a cloth-and-rubber bellows.

ME

DIEMME Filtration offers customised features for the complete ME range, ensuring that there is an ME model to suit the most difficult or unusual applications.



ME 630

- **Product:** filtration of sludges from metal-finishing industry containing chromium, zinc, aluminium, copper.
- **Plates:** recessed 630X630
- **Accessories:** sliding covering in 316 stainless steel
- **Special devices:** nylon interchangeable plate tension tape



ME 1200

- **Product:** filtration of slurries from chemical industry
- **Plates:** membrane 1200X1200
- **Accessories:** smoke ventilation hood
- **Special devices:** 316 stainless steel coatings



ME 1500

- **Product:** filtration of slurries from mining industry and micronized silicaceous sands
- **Plates:** membrane 1500X1500
- **Accessories:** special abrasion-resistant valves
- **Special devices:** plexiglass protection barriers