

DIEMME
FILTRATION

KE

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Solutions and Systems

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



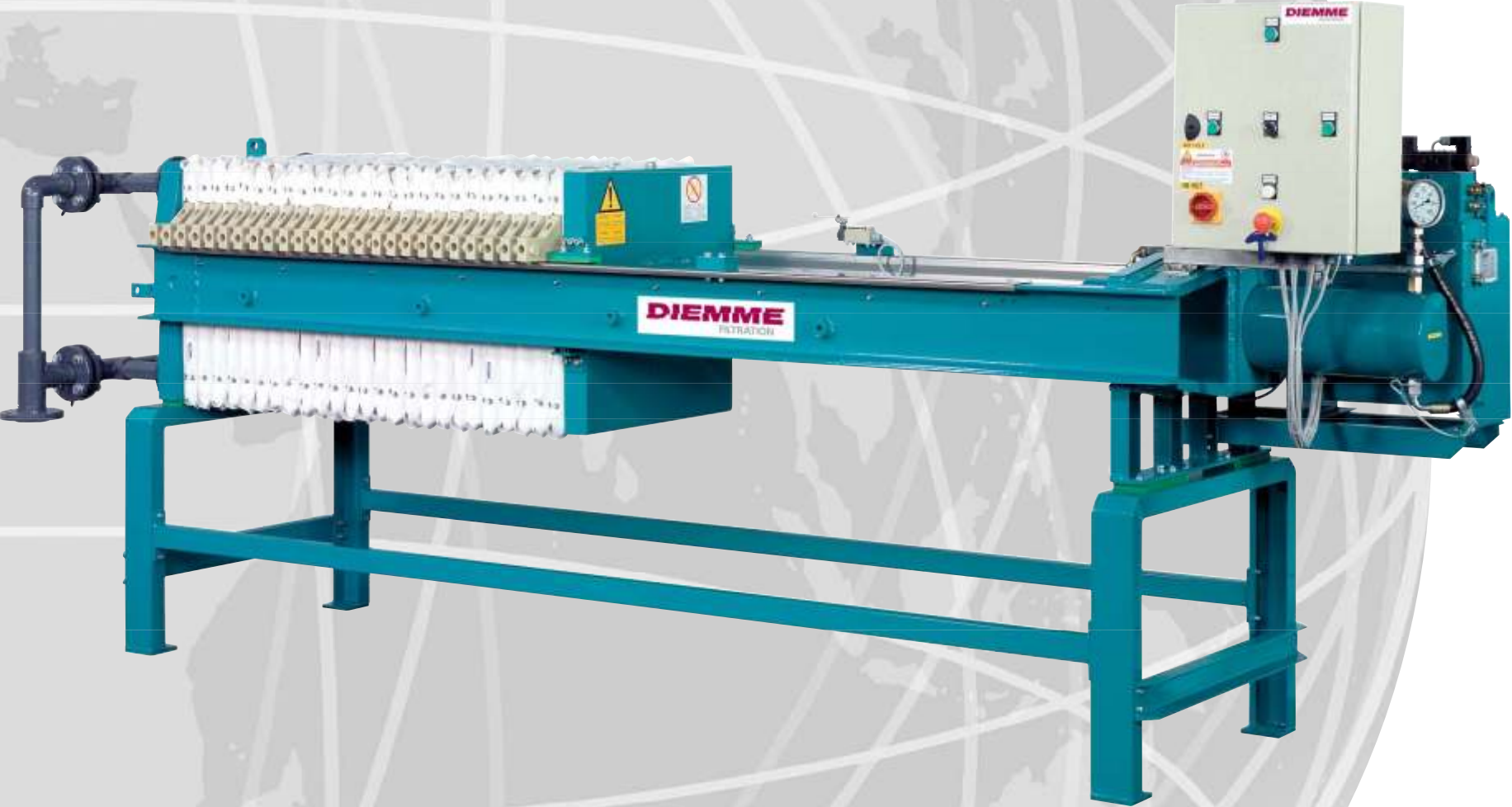
Sales Agent's stamp:

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Small dimensions, high performance



Design

KE is a side beam filter press with reduced dimensions, suitable to be installed even in very small spaces. Thanks to its solid structure and simple design, this type of filter is an extremely functional machine.

Performance

KE filter presses, exactly like the other bigger machines manufactured by DIEMME, have been designed to also work at high feed pressure values: 12, 15, and 30 bar.

Model	Plate size [mm]	Working pressure [bar]	No. of installed plates		Cake volume (litres)		Filtration area [m²]		Length [mm]		Empty weight [kg]	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
KE 500	500 x 500	12 ÷ 30	15 ÷ 60		60 ÷ 250		6 ÷ 22		1560 ÷ 3770		850 ÷ 1422	
KE 630	630 x 630	12 ÷ 30	32 ÷ 84		200 ÷ 540		18 ÷ 46		3800 ÷ 6200		1500 ÷ 2200	
KE 800	800 x 800	12 ÷ 30	28 ÷ 75		460 ÷ 882		28 ÷ 71		4515 ÷ 6965		2890 ÷ 4140	

Three different closing systems



KE 500 with manual closing

The mobile header is shifted manually and the closing pressure is given by a lever-operated pump which transmits hydraulic pressure to the jack piston.



KE 500 with semi-automatic closing

A telescopic arm, comprising an endless screw and its related manual lead screw, is connected to a hydraulic piston guided by a motorized power plant. This mechanism allows the plate pack to close under pressure.



KE 630/800 with automatic closing

A "double effect" hydraulic piston, controlled by a power plant, moves the mobile header in a fully-automatic way, so obtaining an easy and fast closing and opening of the plate pack.

KE

DIEMME Filtration develops custom-made filtration solutions on all KE range of products, able to satisfy every single requirement of solid-liquid separation.



Special coverings

The picture on the left shows a KE500 filter press with membrane plates equipped with piping and covering in polypropylene. The filter is completely coated with hot-welded sheet in polypropylene which protect the filter from corrosive processes caused by filtration of acid and alkaline products.



Extraction hood

The picture on the left shows a KE630 filter press with membrane plates and extraction hood. The hood conveys the vapours generated by the filtration of noxious products far from the operator's field of action, completely isolating the filter from the surrounding environment.



Integrated installations

The picture on the left shows a KE500 filter press with integrated feeding pump for an optimal compactness of the filtering installation.