

DIEMME
FILTRATION

AUTOMAT

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FILTRATION

Solutions and Systems

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



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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AUTOMAT

High automation and complete flexibility



Design:

AUTOMAT is a side-beam filter press, characterised by functional design and extraordinary versatility. Thanks to its strong structure and wide range of models the AUTOMAT filter is able to meet any requirement of solid-liquid separation.

Flexibility:

AUTOMAT filters offer the highest level of flexibility and production capacity according to the specific requirements of their required applications

Automation:

By means of a PLC (programmable logic controller), the AUTOMAT filter can work fully-automatically, with the operator supervising only the cake-discharging phase.

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.
AUTOMAT 630	630 x 630	15	38	84	244	548	29	46	2000	3800	1600	2300
AUTOMAT 800	800 x 800	15	46	118	535	1390	43	122	2600	6700	3700	7600
AUTOMAT 1000	1000 x 1000	15	34	134	700	2600	50	205	6000	8000	6200	13900
AUTOMAT 1200	1200 x 1200	15	74	161	2000	4352	160	342	4700	10300	15460	27600
AUTOMAT 1500	1500 x 1500	15	73	177	3200	7800	247	603	5200	12600	23300	41800
AUTOMAT 1520	1500 x 2000	15	73	158	5800	1255	320	697	6000	13000	30600	45600

AUTOMAT

Safety and reliability

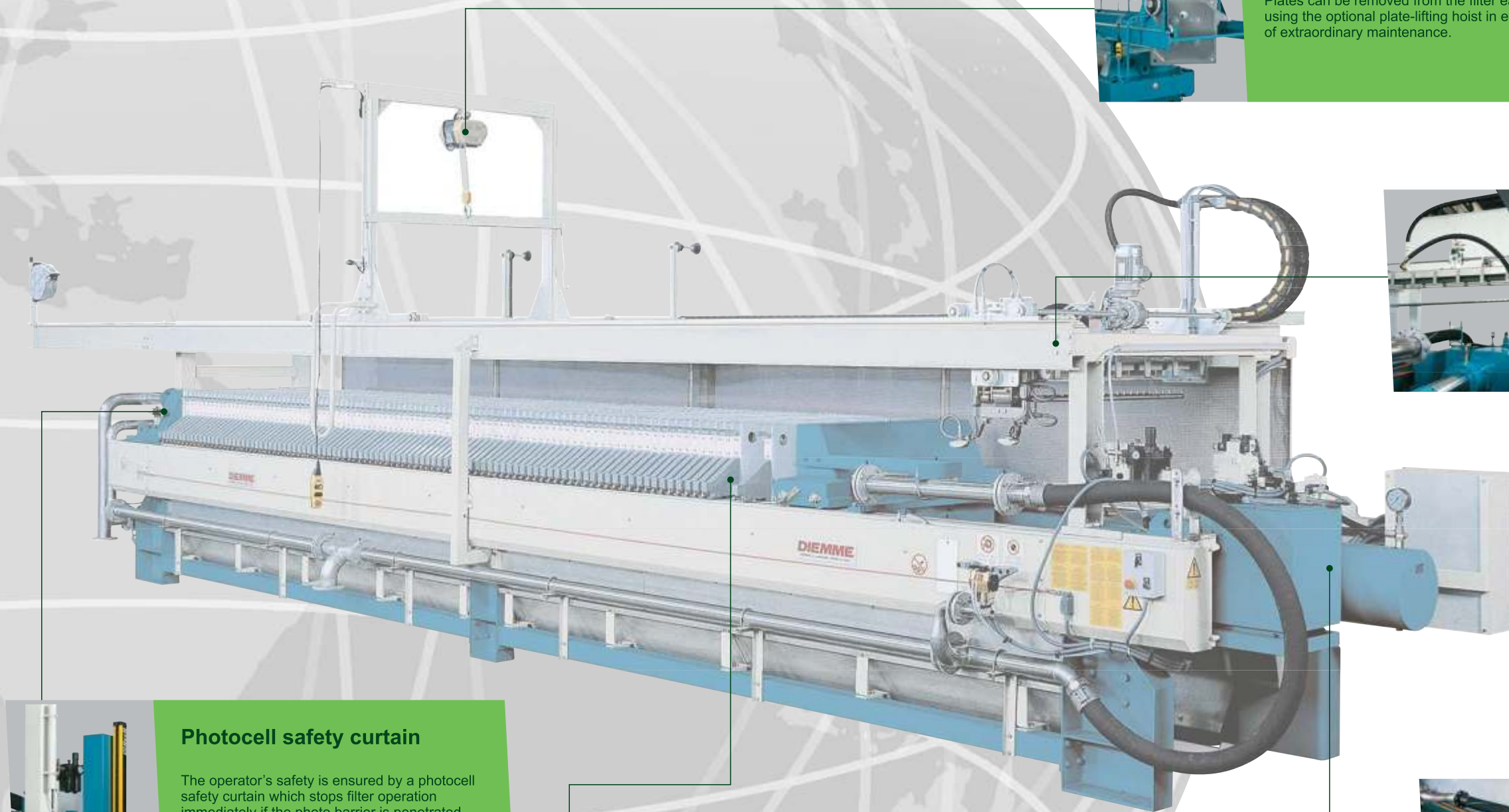


Plate-lifting hoist

Plates can be removed from the filter easily using the optional plate-lifting hoist in event of extraordinary maintenance.



High-pressure washing

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



Photocell safety curtain

The operator's safety is ensured by a photocell safety curtain which stops filter operation immediately if the photo barrier is penetrated.



Plate shifting

The plate shifting mechanism consists of hooks attached to chains located within the side-beams. The plates are shifted sequentially without the operator's intervention. The plate shifting drive motor is equipped with a frequency inverter and the shifting speed can be adjusted by the PLC (programmable logic controller).

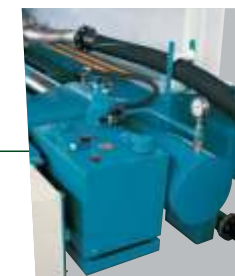


Plate pack closing system

The plate pack closing system is highly reliable and consists of a hydraulic jack which moves the mobile header plate to open or close the plate pack.

AUTOMAT

DIEMME Filtration offers customised features for the complete AUTOMAT range



AUTOMAT 630

The picture on the left shows an AUTOMAT 630 membrane filter press, equipped with retractable drip-tray in AISI 316L stainless steel.



AUTOMAT 1200

The picture on the left shows an AUTOMAT 1200 membrane filter press with FDA (Food and Drug Administration) certification for the pharmaceutical and food industry. Feed and discharge pipelines are in AISI 316L stainless steel with mirror-polished sanitary surfaces.



AUTOMAT 1520

The picture on the left shows an AUTOMAT 1520 equipped with two hydraulic jacks ensuring an improved distribution of closing pressure and an effective plate pack closing.