

GECO

— RECYCLING —

COMPLETE LINE OF CONCRETE
RECLAIMING SYSTEMS, FILTER PRESS
AND WATER TREATMENT SYSTEMS



FLOTMAT 8/25

CONCRETE RECYCLING SYSTEMS FOR READY-MIX PRODUCERS

Rugged, wear resistant concrete reclaimer for the ready mixed concrete industry, ideal for treating re-turning concrete and washout water. Based on the principle of counter current a separation between aggregates (0.2 - 32 mm) and grey water (fine particles <0.2 mm) is achieved. Both components can be re-used back in the process.

Other components like level and density sensors, agitators and pumps can be added according to the specific customer needs. This leads to a reliable and economic concrete reclaiming plant with processing capacities of 8, 15 or 25m³/h specially developed for the ready mixed concrete and other applications.

Type	Waste concrete throughput m ³ /h	drive kW	Material discharge height m	Rinsing water requirement m ³ /h	Outline dimensions m		
					Length	Width	Height
FLOTMAT-08-Vibro	8	4,00	1,65	1,90	4,70	2,00	2,30
FLOTMAT-08-Kombi*	8	4,00	1,65	1,90	6,50	3,20	2,70
FLOTMAT-15-Vibro	15	4,00	1,80	2,40	4,70	2,30	2,40
FLOTMAT-15-Kombi*	15	4,00	1,80	2,40	7,00	3,80	2,90
FLOTMAT-25-Vibro	25	4,00	1,80	3,40	6,20	2,30	2,40
FLOTMAT-25-Kombi*	25	4,00	1,80	3,40	8,50	3,80	2,90

* Capacity feeding wheel FLOTMA-08 till FLOTMAT-25: Solids or water 5m³/h



FLOTMAT 1/8

CONCRETE RECYCLING SYSTEMS FOR PRECAST PRODUCERS

This reclaimer for the precast industries helps you reuse 100% of the aggregates which are reclaimed. Saving you money on materials and on wastes disposal. Based on the principle of counter current a separation between aggregates (0.2 – 32 mm) and grey water (fine particles below 0.2 mm) is achieved. The separated aggregates are very dry due to a unique low maintenance vibration chute instead of a screw conveyor.

Flotmat also works with a two step separation process improving the results even further. With a bucket wheel in the Kombi version, the system can be mounted ground

level for extended use in the factory. Other machine components like level and density sensors, agitators and pumps can be added according to the specific customer needs. All this gives you the most advanced reclaimer in the market with capacities of 1, 2, 4 and 8 m³/h specially adapted for precast concrete industries and other applications.



Type	Waste concrete throughput m ³ /h	drive kW	Material discharge height m	Rinsing water requirement m ³ /h	Outline dimensions m		
					Length	Width	Height
FLOTMAT-01-Kombi*	1	0,75	0,95	0,32	3,10	1,10	1,33
FLOTMAT-02-Kombi*	2	0,75	0,95	0,32	3,80	1,70	1,40
FLOTMAT-04-Vibro	4	1,50	1,20	0,80	4,20	1,40	1,60
FLOTMAT-04-Kombi*	4	1,50	1,20	0,80	4,50	2,30	1,90
FLOTMAT-08-Vibro	8	4,00	1,65	1,90	4,70	2,00	2,30
FLOTMAT-08-Kombi*	8	4,00	1,65	1,90	6,50	3,20	2,70

* Capacity feeding wheel: FLOTMAT 02: Solids or water 1m³/h, FLOTMAT 04: Solids or water 4m³/h, FLOTMAT 08: Solids or water 5m³/h.

ECOPRESS

FILTER PRESS FOR CLEANING THE GREY WATER FROM ALL FINE PARTICLES



This filter press can take out all fine particles from the concrete grey water, but also the fines from sawing, grinding and polishing.

The ECOPRESS works fully automatic with a short cycle time, therefore allowing for smaller units to achieve high output. Different sizes of filter plates (470, 630, 800 mm) and the number of filter plates from 6 to 40 plates allow for a custom layout. The filter cake is very dry due to a unique filter cloth design, which fits extremely tight, allowing for higher pressures. This reduces the weight of the waste material and therefore the cost for transport and removal.

The ECOPRESS can be mounted in a 20' container in various features, like heating, doors, isolation, etc. For small quantities of grey water the ECON dewatering container is recommended.



ECOPRESS 470
filter plates
with 470 x 470 mm

ECOPRESS 630
filter plates
with 630 x 630 mm

ECOPRESS 800
filter plates
with 800 x 800 mm

Number of plates:
from 6 to 40,
standard is 6 to 22

AQUACLEAN

WATER TREATMENT SYSTEM



The plant design is developed according to the analysis of the layout data. The amount of wash water, solids content and components are determined.

Generally a pre-separation of the solids (0.2 – 32 mm) by using our FLOTMAT system is highly recommended.

This ensures that only fines or colour pigments are transported into the water treatment system. In the AQUACLEAN system silo the grey water is clarified and fine solids are separated from the water with the use of a flocculent. The resulting clear water can be returned to production.

The settled slurry can be discharged from the silo and pumped directly into our ECOPRESS filter system.

Aquaclean capacity range: 20 - 100 m³/h

Tank capacity range: 20 - 150 m³

Ph neutralization system with efficient dosing

Flocculent dosing system with three step process



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FOR READY-MIX PRODUCERS



ECOPRESS

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FLOTMAT 1/8

CONCRETE RECYCLING SYSTEMS
FOR PRECAST PRODUCERS



AQUACLEAN

WATER TREATMENT SYSTEM

GECO

— RECYCLING —

GECO Company started in 1977 near Heidelberg in Germany. More than 45 years of experience in concrete recycling, water treatment and filter presses and over 2.000 machines result in the most advanced recycling technology for our customers. We are a solution provider for producers of concrete in the Readymix, Precast and Block/Paver industries. Further solutions are available for quarries, recycling companies, etc.

Geco is a full service provider with a standard line of proven systems, where you get our expertise in finding the

perfect solution for you, including individual customer adaptations if necessary. We then serve you with our installation, start-up, service and maintenance teams. Quick and comprehensive spare parts supplies are available worldwide.



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