ELA 200 Discharge Unit Concrete 200 l/min

WATER RECYCLING

ELA 200

Performance:	12m³/h (up to)
Result	Conditioned water
Discharge:	Clear water after sedimentation
pH value neutralisation:	CO_2 (for alkalic wastewater)
pH value monitoring	Data log
Steel box:	LxWxH 1,7m x 1,1m x 2,0m
Pipework:	Stainless steel
Electrical connections:	400V / 50Hz / 16A
Electrical power:	2 kW
Weight:	1.000 kg
Process interface:	Wastewater collection / Sedimentation skip

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The Water Recycler

AUSTRIA

Reprotex GmbH
Hafenstrasse 47-51
4020 Linz, Austria

office@reprotex.com
www.reprotex.com
tel +43 732 9015 6700

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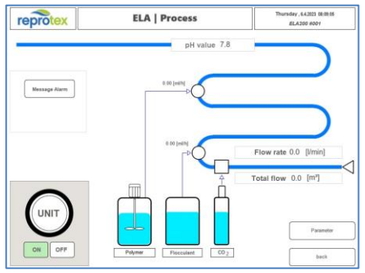
reprotex.com

MOBILE FILTRATION

Reprotex ELA: Unique Technology

Reprotex ELA stands for mobile wastewater conditioning for subsequent discharge.
With the Reprotex process, particle-laden concrete-containing wastewater is conditioned and pH-neutralized in the mobile unit in a multi-stage process so that the clear phase from the subsequent sedimentation is available for discharge or infiltration.
The PLC-controlled unit runs fully automatically and provides the user with protocols on flow rate and pH value.



Process

The concrete wastewater to be conditioned is pumped into the unit from an external wastewater collection.
The addition of a liquid flocculant and a liquid polymer additive accelerates the separation of suspended solids and dissolved particles in the wastewater in the subsequent sedimentation skip. The process also includes measurement and neutralization of the pH value so that the legally prescribed discharge values (pH 6.5 to 9) are complied with.

If additional pollutants are present, the Reprotex ELA can be combined with supplementary wastewater treatment processes (oil separator, sand filter, activated carbon filter).

APPLICATIONS

- Construction site wastewater
- Hydrodemolition
- Water jetting
- Formwork panel cleaning

The precipitation and flocking agents used in the Reprotex process have been developed from VTA Austria GmbH and agreed jointly.

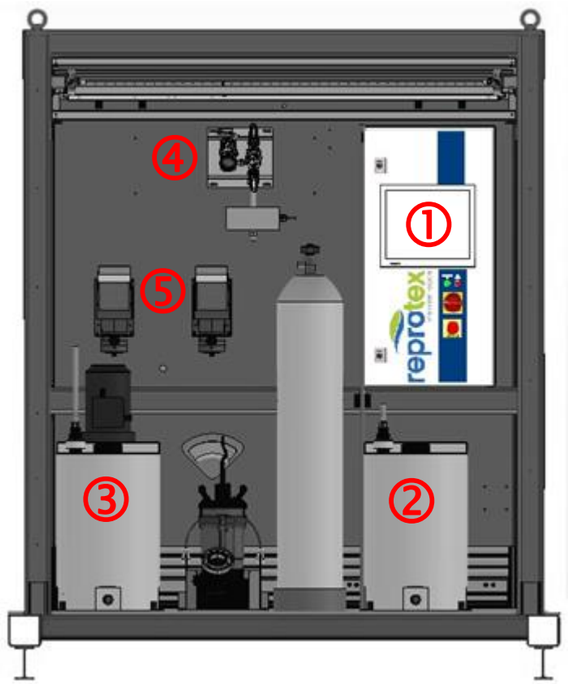
YOUR ADVANTAGES

- Cost savings (water/sludge logistics)
- Flexibility und mobility
- Operator friendliness
- Innovative process
- Legally compliant dewatering
- When used in conjunction with the FU650 filter unit, the clear water can be reused

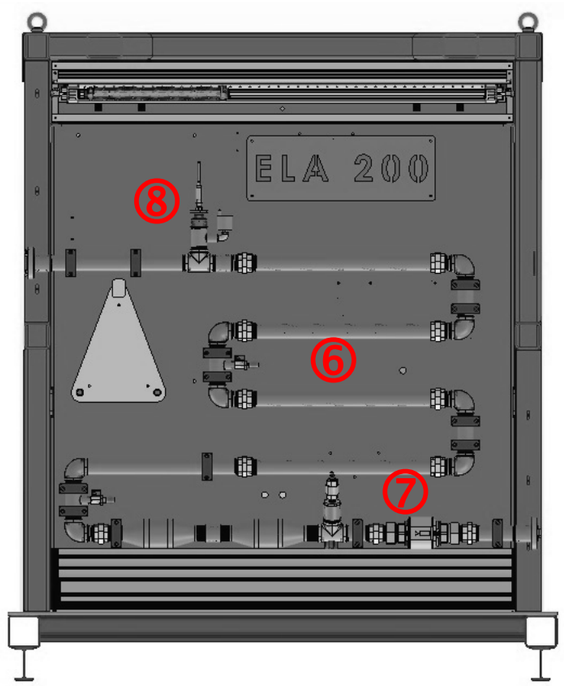
Main components

<u>Controll side:</u>
① Control cabinet with PLC
② Flocculant tank
③ Polymer preparation station
④ CO_2 expansion station
⑤ Dosing pumps

<u>Process side:</u>
⑥ Process pipework (stainless steel)
⑦ Flow measurement
⑧ pH value measurement



Control side



Process side