

REGENERATION SYSTEM RS4



The RS4 rounds out the product range of the regeneration systems of the company group Leye/Thiedig. This system can carry out the regeneration in all cation filters produced by the two companies directly without any refilling processes of the exchanger mass.

The system can use either hydrochloric acid or sulphuric acid. Loosening, regeneration and rinsing are carried out automatically up to the monitoring of the finally necessary conductivity and enable an immediate installation of the filter in the system. In addition, the processing of different states of exhaustion as well as different compression levels of the filters is not a problem for this unit in parallel operation of the filters.

The unit works without requiring pressurised air which is often necessary in other units. It ensures occupational health and safety which have always been important issues when performing these tasks in the laboratory.

Regeneration system RS4

TECHNICAL FEATURES

- **Regeneration of ion exchanger cartridges of the model series PE11, PE12, PE15, PE16, PE14, KA15PE, KA30PE und KA10**
- **Acid dosing by means of an injector pump**
- **Rinsing result control through conductivity measurement**



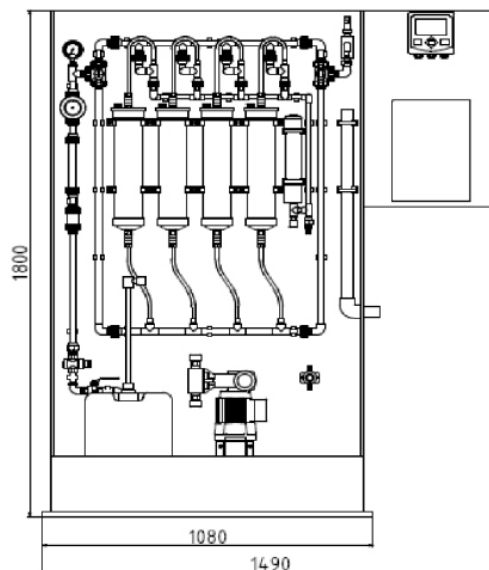
Technical data

REGENERATION SYSTEM

RS4

Device	Regeneration system RS4
Connection rinsing water inlet	Hose fitting 1/2", SS 316 ti
Connection drain	Tube d40 PVC
Material of internal pipework	PVC (other materials on request, e.g. PP)
max. inlet pressure of rinsing line	15 bar, reduced to 2bar with pressure reducing valve
Electrical connection	230V AC, 50 Hz, 500 VA, max. fusing 16A
Acid concentration max.	HCL 4–5%, H ₂ SO ₄ 0,5–3%
Acid tank	30l HDPE tank with UN approval, thread DIN60
Conductivity measurement	Measuring range 0 – 10 µS

Delivery options	Art-No.	Specifications
Basic	50760013	Hand-operated regeneration, controlled amount of acid, acid tank level monitored, with acryl splash protection
Semi automatic	50760014	Hand-operated regeneration, controlled amount of acid, acid tank level monitored, controlling of the rinsing process with conductivity measurement, with acryl splash protection
Automatic	on request	Program-controlled, fully automatic regeneration, controlled amount of acid, acid tank level monitored, controlling of the rinsing process with conductivity measurement, with acryl splash protection



Dr. Thiedig

Subject to technical alterations.

Sampling & Analysing Systems

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