

## 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**

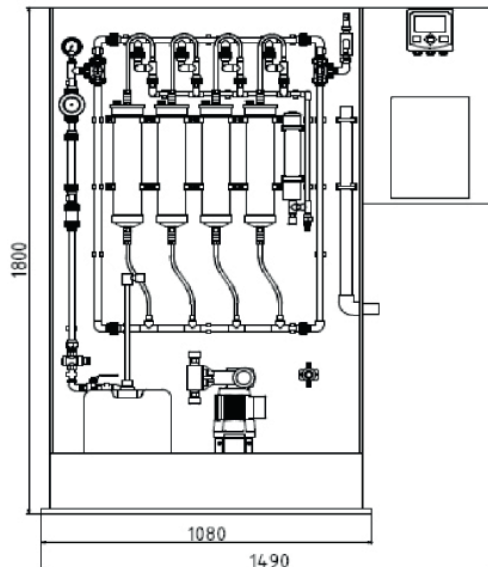


**Technical data**

## REGENERATION SYSTEM

# RS4

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



**Dr. Thiedig**

Subject to technical alterations.

Sampling & Analysing Systems

Dr. Thiedig GmbH & Co KG  
 Prinzenallee 78-79  
 13357 Berlin | Germany

Phone +49(0)30/497769-0  
 Fax +49(0)30/497769-25

[info@thiedig.com](mailto:info@thiedig.com)  
[www.thiedig.com](http://www.thiedig.com)