

Laboratory-Phenol-Adsorption-Reactor (LPAR)



DIMENSIONS

Dimension	approx. 1800 x 700 x 1950 mm (L x B x H)
Weight	approx. 200 kg
Material (wetted parts)	Stainless steel (group 316) / FEP / PTFE / FPM (Viton®)
IP protection class	IP 54

ELEKTRICAL DATA

Connection for power supply	400V / 50 Hz / 16 A
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DATA

Tanks	<p>3 working tanks (heatable or coolable with double jacket, automatic refill via level sensor)</p> <p>1 storage tank (approx. 25 l)</p> <p>2 reclaim tanks (approx. 5 l)</p> <p>1 collecting tank (approx. 30 l)</p> <p>1 rinsing water tanks (approx. 15 l)</p>
Pumps	<p>3 process pumps (feed, eluate, rinsing water)</p> <p>3 refill pumps (feed und eluate)</p>
Reactors	2 fixed bed reactors (alternative reactors adaptable)
Control	Automated S7-1200 CPU, complete program sequences preselectable via mask

Flow meter	2 mass meter (feed und eluate)
Sampler	2 autosampler (for each reactor)
Cabinet	Safety shutdown (pressure, temperature, dry run protection)

EXPERIMENTS

Freely programmable test sequences

Schematic view of Laboratory-Phenol-Adsorption-Reactor

