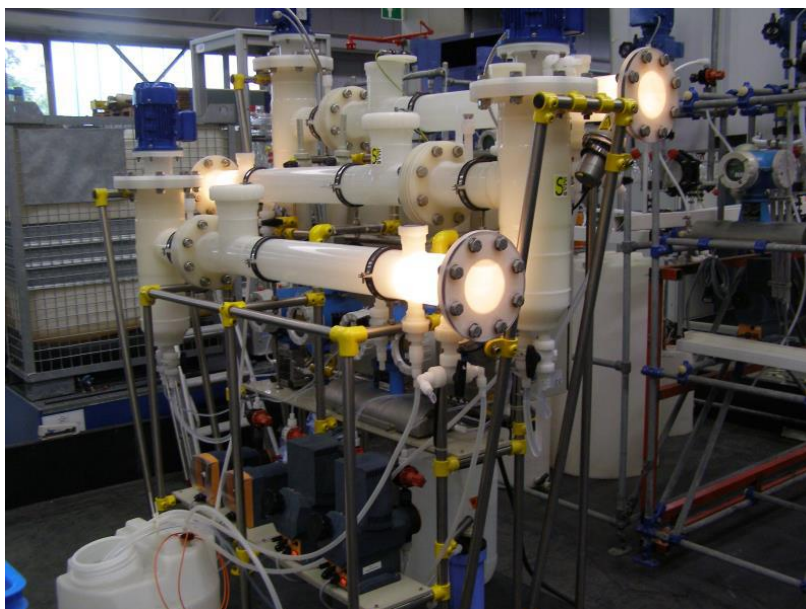


Extractor (Mixer-Settler)



DIMENSIONS

Dimensions	1200 x 1000 x 1700 mm (L x B x H)
Weight	approx. 120 kg
Material (wetted parts)	PVDF / PTFE / PP and FPM
IP protection class	IP 54

ELEKTRICAL DATA

Connection for power supply	16 A-CEE / 400V / 50 Hz / 3-phase / N / PE
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DATA

Mixer-Settler	3 pieces (approx. 20 l, PVDF, PTFE)
Temperature range	up to 80 °C
Temperature control	2 circulation thermostat (30 – 250 °C)
Pumps	4 piston pumps (up to 30 l/h)

(The specified technical data are maximum values. They do not coincide all at the same time!)

SENSORS	MEASURING RANGE	QUANTITY
Volume flow (acid, rinsing solution) (magnetic-inductive flow meter)	3,6 – 108 l/h	(2 pieces)
Volume flow (metal-bearing solution) (magnetic-inductive solution)	15 – 420l/h	(1 piece)
Mass meter (extraction agent) (Coriolis mass meter)	0 – 450 kg/h	(1 piece)
Temperature (PT 100)	0 - 100 °C Temperature compensation included	(1 piece)

FILED OF USE

Experiments for the liquid/liquid extraction of valuable metals from metal-bearing solutions in the first stage

Experiments to treat extractants in the second and third stage

Experiments with highly concentrated solutions

Optimization of process parameters

Schematic view of Mixer-Settler

