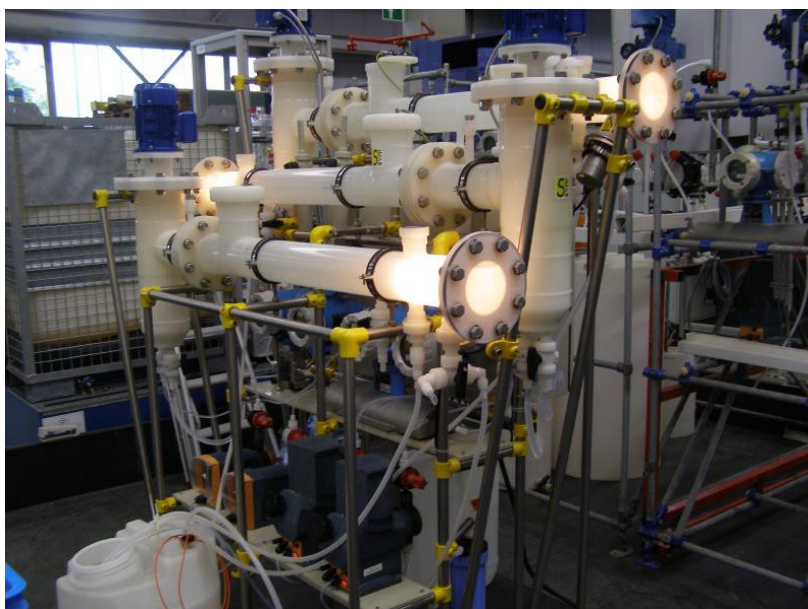


## Extractor (Mixer-Settler)



### DIMENSIONS

|                            |                                   |
|----------------------------|-----------------------------------|
| Dimensions                 | 1200 x 1000 x 1700 mm (L x B x H) |
| Weight                     | approx. 120 kg                    |
| Material<br>(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 |
|-----------------------------|--------------------------------------------|

### 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)<br>(magnetic-inductive flow meter) | 3,6 – 108 l/h                                   | (2 pieces) |
| Volume flow (metal-bearing solution)<br>(magnetic-inductive solution)   | 15 – 420 l/h                                    | (1 piece)  |
| Mass meter (extraction agent)<br>(Coriolis mass meter)                  | 0 – 450 kg/h                                    | (1 piece)  |
| Temperature<br>(PT 100)                                                 | 0 - 100 °C<br>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

