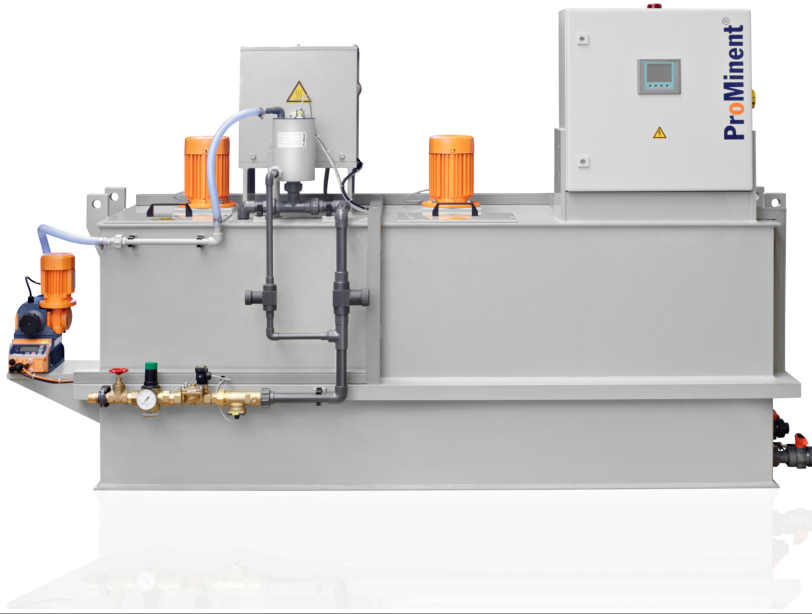


Metering System Ultromat® ULFa

Efficient production of a polymer solution with a high throughput capacity.



Extraction rates of up to 8,000 l/h

These systems can be used to process both liquid and powdered polymers. The storage tank, which is sub-divided

into three chambers, largely prevents the carry-over of the freshly batched polymer.

Your benefits

- Processing of liquid polymers (0.05 – 1.0 %) and powdered polymers (0.05 – 0.5 %)
- Minimal carry-over of product and thus higher-quality results
- Extraction of the polymer solution and drainage of the chambers through the front of the storage tank
- User-managed input of the solvent concentration and calibration of powder feeder unit and liquid concentrate pump
- Gentle mixing of the polymer solution (electric stirrer)
- Pressure sensor for the measurement of the liquid level

Field of application

- Potable water treatment
- Waste water treatment (industry and local authorities)
- Sludge de-watering

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Technical Data

The following types of polymer can be processed:

- Liquid polymers (0.05 – 1.0 %)
- Powdered polymers (0.05 – 0.5%)

Selectable components:

- Tank size/ extraction rate
- Construction (normal or mirror image)
- Electrical connection
- Control S7 – 1200 (with and without PROFIBUS®/PROFINET/Modbus TCP)
- Powder feeder
- Vibrator for powder feeder (promotes the movement of polymer)
- Powder feeder unit FG205/ top hopper (for filling and feeding the powder feeder)
- Liquid concentrate pumps in the Sigma, Spectra, DULCO®flex ranges
- Monitor for liquid concentrate pump (float switch / flow monitor)
- Flush valve (Y-flush inlet or wetting cone)
- Stirrer for 3rd chamber
- Language (pre-set language for the control panel)

The standard scope of delivery includes among other things:

- Pause function/ operating message/ empty running function
- Monitoring of the re-dilution unit
- Lifting lugs for transport

| | | | | | | | |
|----------------------------|------|------------------|------------------|------------------|------------------|------------------|------------------|
| Discharge volume | l/h | 400 | 1,000 | 2,000 | 4,000 | 6,000 | 8,000 |
| Tank volume | l | 400 | 1,000 | 2,000 | 4,000 | 6,000 | 8,000 |
| Diluent water max. | l/h | 600 | 1,500 | 3,000 | 6,000 | 9,000 | 12,000 |
| Water pressure | bar | 3 – 5 | 3 – 5 | 3 – 5 | 3 – 5 | 3 – 5 | 3 – 5 |
| Powdered polymer | kg/h | 0.5–11 | 0.5–11 | 0.8–18 | 3.6–55 | 3.6–55 | 4.8–110 |
| Length | mm | 1,999 | 2,643 | 3,292 | 3,301 | 4,120 | 4,605 |
| Width | mm | 918 | 1,002 | 1,186 | 1,456 | 1,651 | 1,910 |
| Height | mm | 1,390 | 1,740 | 1,890 | 2,182 | 2,182 | 2,290 |
| Water connection | " | 1 | 1 | 1 | 1 1/2 | 1 1/2 | 2 |
| Discharge nozzle DN | | 25 | 25 | 32 | 40 | 40 | 50 |
| Concentrate feed DN | mm | 15 | 15 | 15 | 20 | 20 | 20 |
| Voltage / frequency | V/Hz | 400/50 460/60 | 400/50 460/60 | 400/50 460/60 | 400/50 460/60 | 400/50 460/60 | 400/50 460/60 |
| Power uptake | kW | 1.5 | 2.6 | 3.2 | 5.0 | 5.0 | 9.5 |