

Metering System Ultramat® ULPa

A good solution when preparing polymer solutions as flocculation aids.



Extraction rates from 400 to 4,000 l/h

Ultramat® ULPa units consist of two separate chambers, which can be successively filled with polymer solution, eliminating the risk of product carry-over. Both liquid and

powdered polymers can be processed depending on the product range.

Your benefits

- Processing of liquid polymers (0.05 - 1.0 %) and powdered polymers (0.05 - 0.5 %)
- No mixing of fresh and matured polymer
- Operator-controlled input of solvent concentration and calibration of powder feeder and liquid concentrate pump
- Gentle mixing of the polymer solution (electric stirrer)
- Pressure sensor for the measurement of the liquid level
- Version with terminal box available on request

Field of application

- Potable water treatment
- Paper production

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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 unit (promotes the movement of polymer)
- FG205 powder feeder/top hopper (for filling and feeding the powder feeder unit)
- Liquid concentrate pumps of types Sigma, Spectra, DULCO®flex
- Monitor for liquid concentrate pump (float switch / flow monitor)
- Flush valve
- Language (pre-set language for the control panel)

The standard scope of delivery includes among other things:

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

Discharge volume	l/h	400	1,000	2,000	4,000
Tank volume	l	2 x 400	2 x 1,000	2 x 2,000	2 x 4,000
Diluent water max.	l/h	1,600	4,000	8,000	14,000
Water pressure	bar	3 – 5	3 – 5	3 – 5	3 – 5
Powdered polymer	kg/h	0.5–11	0.8–18	3.6–55	4.8–110
Length	mm	2,040	2,840	3,340	4,540
Width	mm	1,253	1,733	1,918	2,583
Height	mm	1,635	1,739	2,178	2,384
Water connection	"	1	1 1/4	1 1/2	2
Discharge nozzle DN		25	32	40	50
Concentrate feed DN	mm	15	15	20	20
Voltage/Frequency	VAC/Hz	400/50	400/50	400/50	400/50
Power uptake	kW	2.5	3.2	5.5	7.0