

# Metering System PolyRex

PolyRex can do more: Processes liquid and powdered polymers.



## Capacity range of up to 8200 l/h

The upper storage tank represents the batching/ maturing tank. The lower tank is the storage tank for the prepared polymer solution. The powdered polymer is transported to the powder feeder by a vacuum conveyor using 2 conveyor screws and mixed into 3 layers with water in the underlying mixer unit; wetting cone, water injector and stirrer in batching

tank. The solution is then transferred to the upper storage tank using the water pressure of the diluting water. The polymer solution matures completely in this, a short circuit effect is avoided. After maturing, the solution can be transferred to the lower storage tank via the motorised valve.

## Your benefits

Compact controller ABB AC500 PM573-ETH and touch panel CP635

- Dust-free filling of the powder storage tank thanks to use of a vacuum conveyor
- Double screw metering unit with 2 counter-rotating conveyor screws enables low-pulsation metering with a high level of dosing precision.

- Pressure reducer provides for a constant water supply
- Effective 3-phase mixing of the polymer solution
- No short-circuiting effect: polymer particles cannot pass through the process without activation

## Field of application

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

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## Technical Data

	Tank volume m <sup>3</sup>	Discharge volume l/h	Polymer dosing capacity kg/h
<b>PolyRex 0.6</b>	2 x 0.3	240	1.2
<b>PolyRex 1.0</b>	2 x 0.6	460	2.3
<b>PolyRex 2.0</b>	2 x 1.0	940	4.7
<b>PolyRex 3.0</b>	2 x 1.5	1,280	6.4
<b>PolyRex 4.0</b>	2 x 2.0	1,900	9.5
<b>PolyRex 5.4</b>	2 x 2.7	2,400	12.0
<b>PolyRex 6.6</b>	2 x 3.3	3,200	16.0
<b>PolyRex 8.4</b>	2 x 4.2	3,820	19.2
<b>PolyRex Maxi 11</b>	2 x 5.5	5,100	25.5
<b>PolyRex Maxi 16</b>	2 x 8.0	6,600	33.0
<b>PolyRex Maxi 23</b>	2 x 11.5	8,200	41.0