



HUBER

Inline Polymer Mixer IPM

- ▶ For optimising sludge thickening and dewatering
- ▶ Reduced operating costs
- ▶ Increased operating reliability

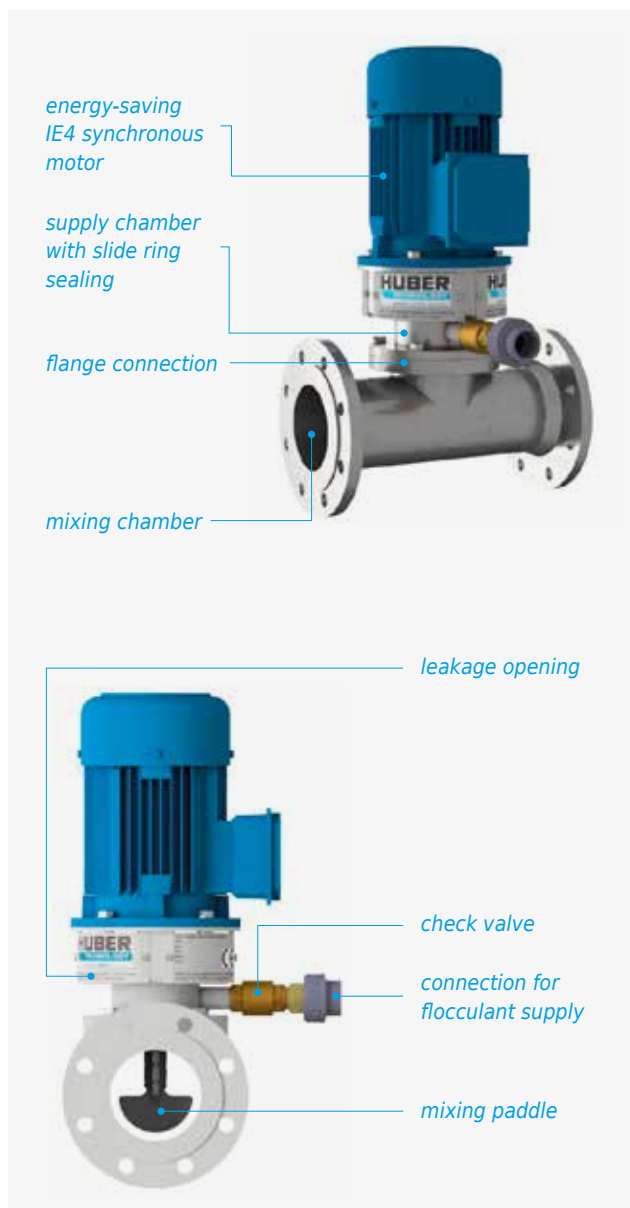
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Design and function

The HUBER Inline Polymer Mixer IPM serves for the optimal admixture of flocculant when thickening and dewatering municipal or industrial sludge.

The inline mixer continuously introduces the required mixing energy into the sludge flow and generates turbulent flow conditions at the entry point. It is also suitable to be applied when dewatering solids-rich and highly viscous sludge. With the use of the HUBER Inline Polymer Mixer IPM it is possible to increase the dewatering degree and/or reduce the specific polymer demand.



Technical data

- ▶ 2 sizes
- ▶ Motor power 2.2 to 4 kW
- ▶ Throughput of thin sludge up to 600 kg_{DR}/h
- ▶ Concentration of flocculant solution: 0.1 – 0.5 %
- ▶ Low back pressure: ≤ 0.3 bar

The user's benefits

- ▶ Optimised introduction of energy through flexible control and continuous adjustment of the mixing energy
- ▶ Reduced specific polymer demand through turbulent admixture of flocculant to the sludge
- ▶ Increased dewatering degree with optimal polymer consumption
- ▶ Clog-free operation through adapted stirrer configuration and automatically controlled reversal of rotation direction
- ▶ Reliable seal protection, polymer acts as sealing liquid
- ▶ Suitable for highly viscous and fibre-containing sludge
- ▶ Less pump wear
- ▶ Less make-up water because of higher concentration of polymer dilution solution



IPM 100 installed upstream of sludge dewatering system.

HUBER SE

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