

Thickening Screw Press

Effective, Reliable
Sludge Thickening Solution



Catalogue
sheet

MIVALT



MP-T

Thickening screw press



A screw thickening press provides an efficient and reliable solution for thickening primary sludge from both industrial and municipal wastewater. The system delivers significant operational cost savings and offers fully autonomous operation with no need for supervision.

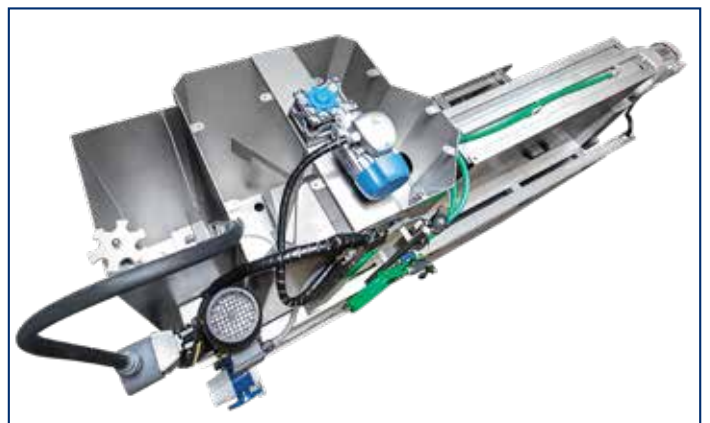


Product description

The thickening screw press enables sludge thickening from 0.1% to 8% dry solids.

Thickening process

The sludge is fed into the screw press via a pump, entering the inlet chamber where the water level is controlled by an adjustable overflow. It then flows into the mixing chamber, where a flocculant is dosed to promote the formation of flocs. Flocculation is assisted by a variable-speed mixing propeller. The prepared sludge is then transferred to the thickening zone, which features a screw shaft and a series of fixed and moving rings. The thickening mechanism is completed by a pressure plate with adjustable pressure, ensuring optimal thickening performance.



Some Fields of Applications

- Municipal Waste Water Treatment Plants
- Slaughterhouses & Breweries
- Food & Beverage Industry
- Textile and Dyeing Industry
- Chemical and Pharmaceutical Industry



Key benefites

- Low energy constumption = low operating costs
- Easy installation and operation
 - Plug&Play + user-friendly interface
- Durable surface finish
 - High-hardness material ensures resistance to wear.
- Efficient sludge thickening
 - Capable of thickening sludge from 0.1-0.2 % DS up to 5-8 % DS.
- Low Noise and Vibration
 - low RPM ensures quiet and smooth operation
- Versatility
 - Suitable for wide range of applications across various industries

Parameters

Model	Screw diameter [mm]	Flow capacity (m ³ /h)	Power (kW)	Weight (kg)	Dimensions		
		Inlet sludge 0.1-0.2%			D [mm]	V [mm]	H [mm]
MP-T-201	200	6-9	0.9	580	2900	1350	800
MP-T-301	300	15-18	1.1	980	3600	1750	1000
MP-T-401	400	28-42	1.9	1350	4350	1750	1250

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