

Drum thickeners - SR Series

For sludge thickening
Small and medium flows





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Stainless steel cloth and cleaning belt

The SR Series drum thickeners ensure dynamic thickening by continually rotating the sludge, for small and medium flows (5 to 40 m³/hr).

They are specially designed for pre-digestion treatment (for primary, secondary or tertiary sludge) or when land liquid spreading is planned. The SR drum thickener may also be used to lower the hydraulic capacity of the dewatering equipment installed in the upstream process.

The inlet sludge are conveyed under the effect of the rotation of the drum combined to an internal spiral structure. The filtrate is removed through a stainless steel belt. Downstream in this process, the dynamic flocculator in polyethylene ensures an efficient inline flocculation.

Benefits

- Resistant technology (all stainless steel design), very low wear
- Reduction in sludge volume (up to 90%) before storage or shipment
- Continuous self-cleaning belts thanks to a PVC spray bar with brass nozzles
- Low power consumption and consequently low operating costs
- Entirely sealed system to avoid odour pollution
- Low space requirement
- Easy maintenance
- Easy to install (delivered pre-wired) ; a skid design is available so as to make installation and moving easier
- Efficient and reliable process

Technical features:

Model	Ø (mm)	L x l x H (mm)	Motor (kW)	Washwater flow (m ³ /hr)	Washwater pressure (bars)
SR3	600	2850 x 900 x 1500	0.55	5.5	8 mini
SR5	600	4000 x 1200 x 1800	1.50	8.5	8 mini
SR7.5	900	4850 x 1200 x 2000	1.50	9	8 mini

For drum thickeners with large flow (35 to 80 m³/hr), consult our PDR series range.

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