



# SEDIMATOR

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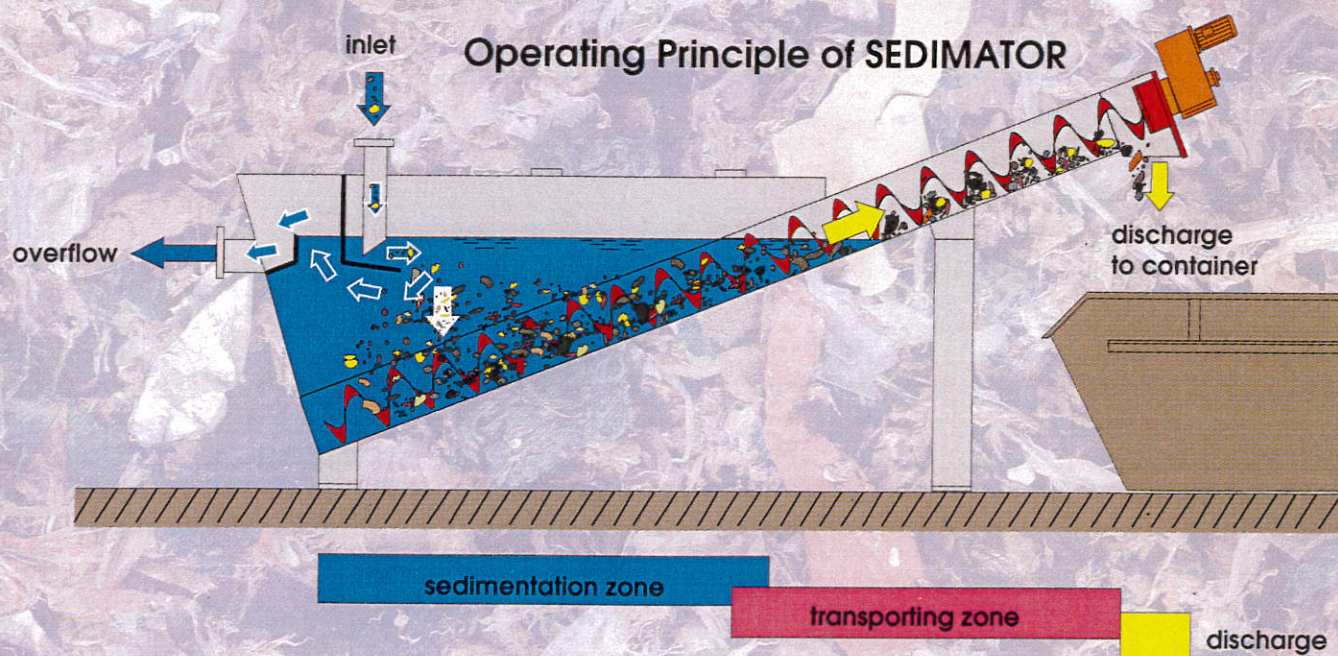
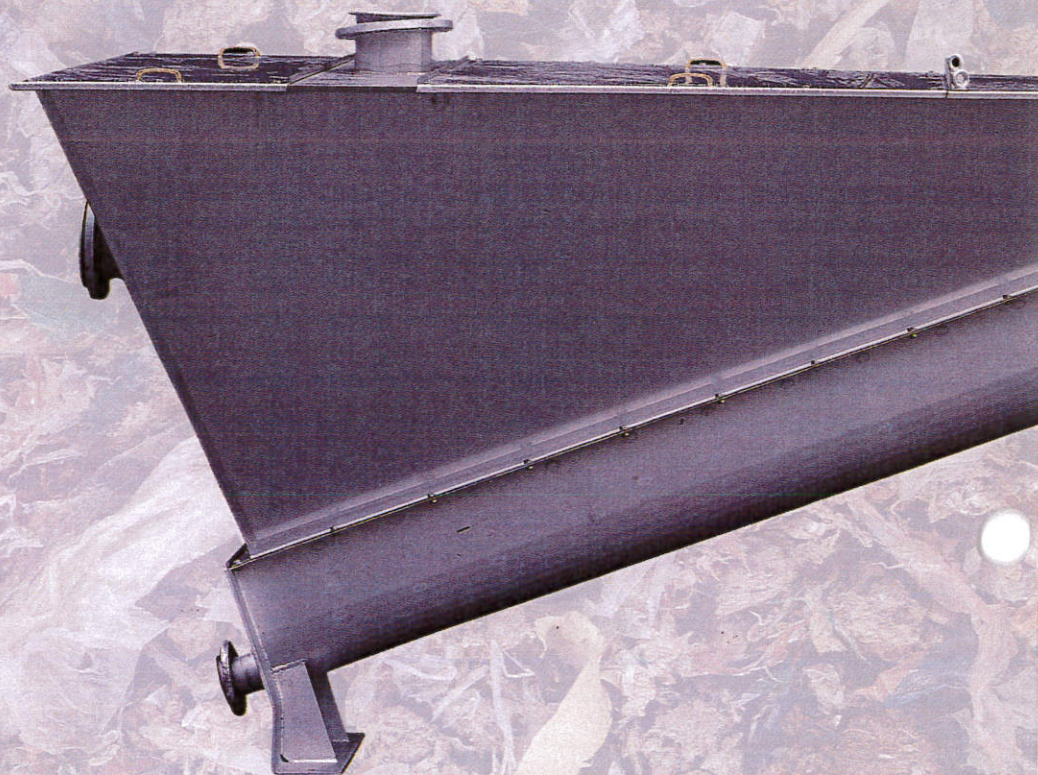
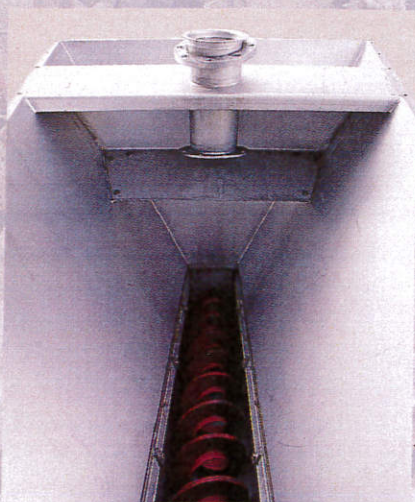


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## Application

The Sedimator is applied in stock preparation systems as well as in approach flow systems of paper machines in order to dewater small heavy rejects of cleaners or high-consistency purifiers.

Inlet Pipe with Deflector

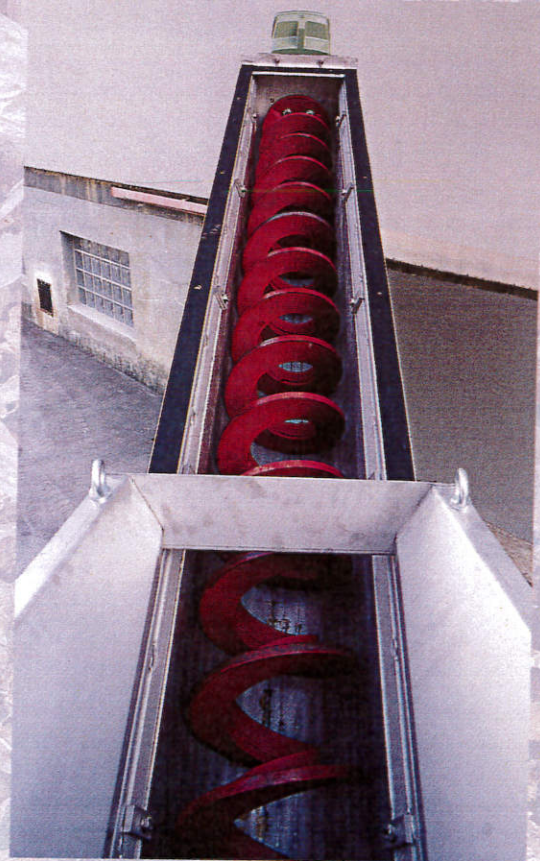




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**Elastic Spiral Bedded in an Exchangeable Inside Lining**



## **Mode of Operation**

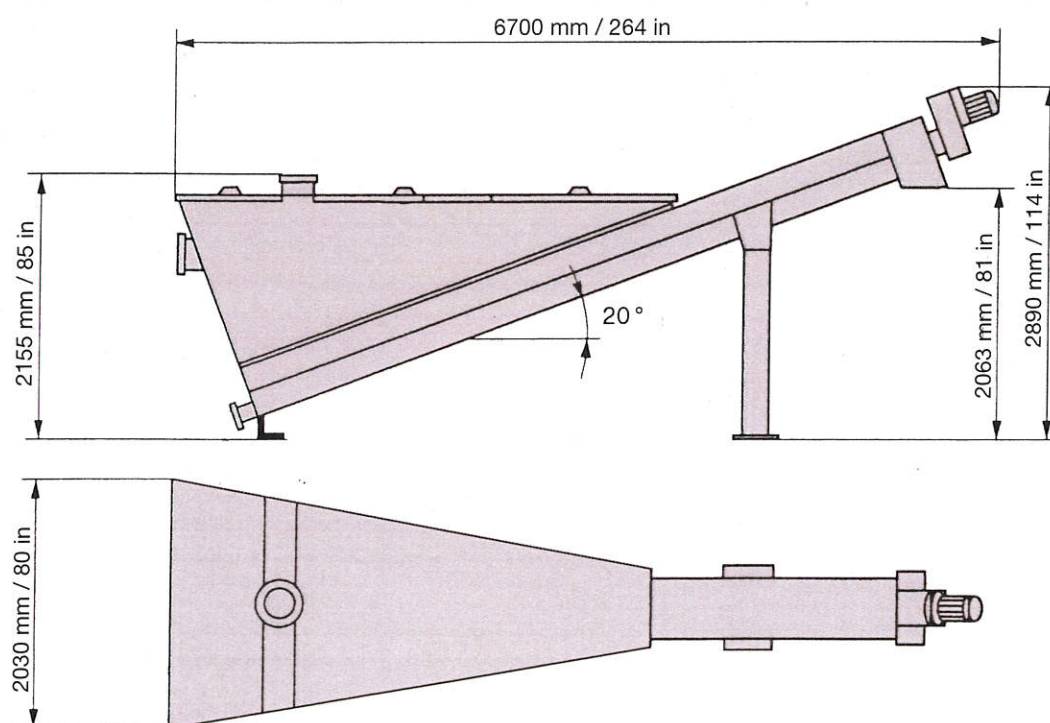
The rejects are fed into the constantly filled funnel of the Sedimator. A deflector underneath the inlet of the supply pipe guides the reject flow into the sedimentation area.

Heavy particles sink into the vat on the bottom of the funnel into the working range of the spiral. The spiral transports the heavy rejects to the discharge opening above the liquid level without disturbing the flow pattern of the sedimentation. The rejects are discharged in surface-dry condition directly into a container. After passing the sedimentation area the fibre suspension, now rid of heavy contaminants, runs over a wide weir to the overflow pipe. Depending on the application, the Sedimator can be operated continuously or discontinuously.



## Main Features

- Large sedimentation area combined with a minimum of space requirements for the machine.
- Conveying element is a special steel spiral.
- The spiral is bedded on the vat so that even smallest particles are discharged effectively.
- Reject conveying without disturbing the sedimentation. Elevated water flows back in the center of the spiral.
- Concentrated reject discharge directly into a container.
- Closed design, covered on all sides.
- Driven by commercially available spur gear motor.
- Funnel, vat with inside lining (exchangeable), supports and all covers of stainless steel.



## Technical Data

Throughput	max.	93	GPM	max.	350	l/min
Fibre consistency at inlet	approx.	0.8	% BD	approx.	0.8	% BD
Sedimentation area		37	ft²		3.45	m²
Sedimentation volume		6.4	ft³		1.88	m³
Motor rating		1.5	hp		1.1	kW
Spiral diameter		11.4	in		290	mm
Overall dimensions (standard)	length	264	in		6700	mm
	width	80	in		2030	mm
	height	114	in		2890	mm
Weight (empty)		1.8	US t		1600	kg

**meri** Papertec is a Joint Venture of **VOITH SULZER** Stoffaufbereitung and **meri** Anlagentechnik

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