



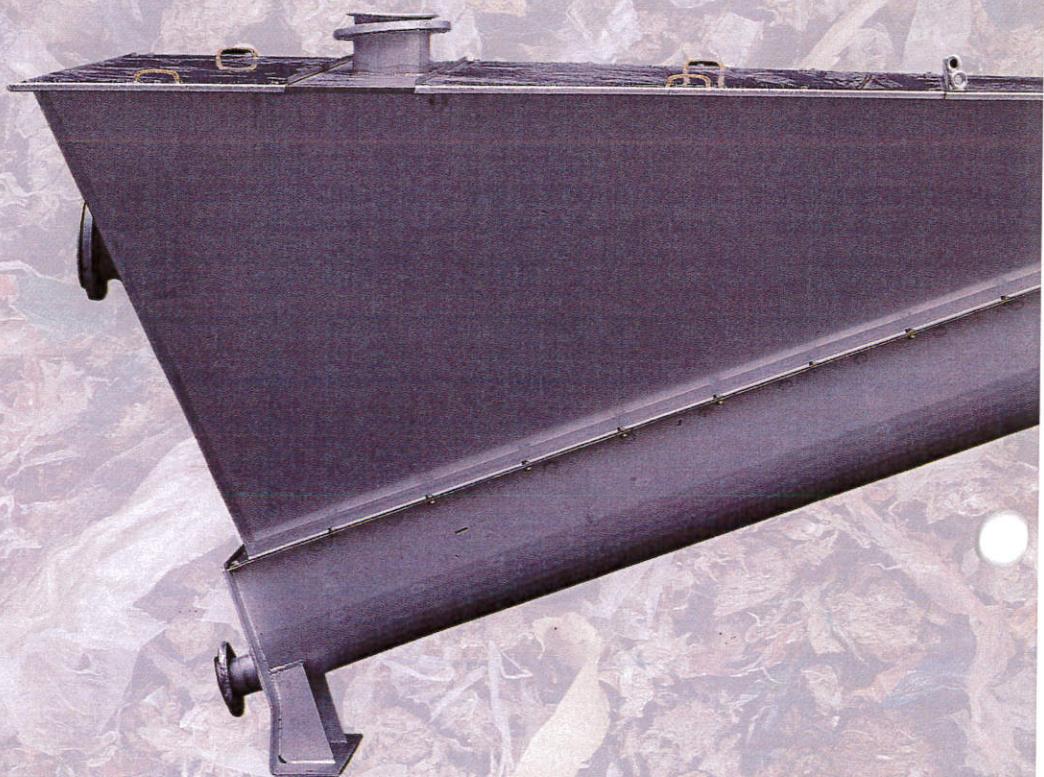
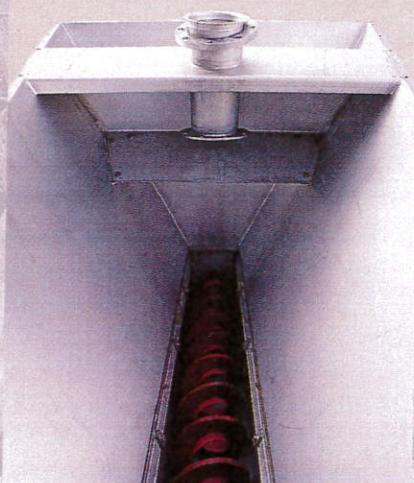
# ERGONOMIA E S

# SEDIMATOR

## Application

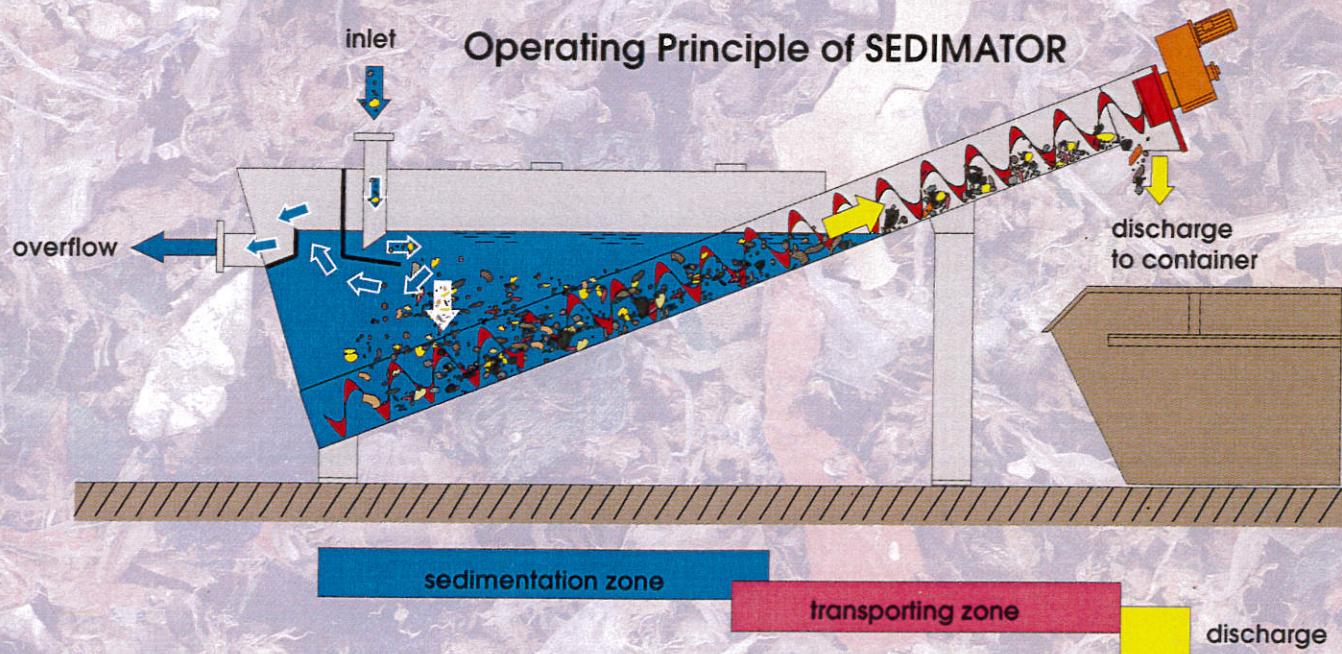
The Sedimator is applied in stock preparation systems as well as in approach flow systems of paper machines in order to dewater small heavy rejects of cleaners or high-consistency purifiers.

Inlet Pipe with Deflector



inlet

Operating Principle of SEDIMATOR



# SEDIMATOR



Elastic Spiral Bedded in an Exchangeable Inside Lining



## Mode of Operation

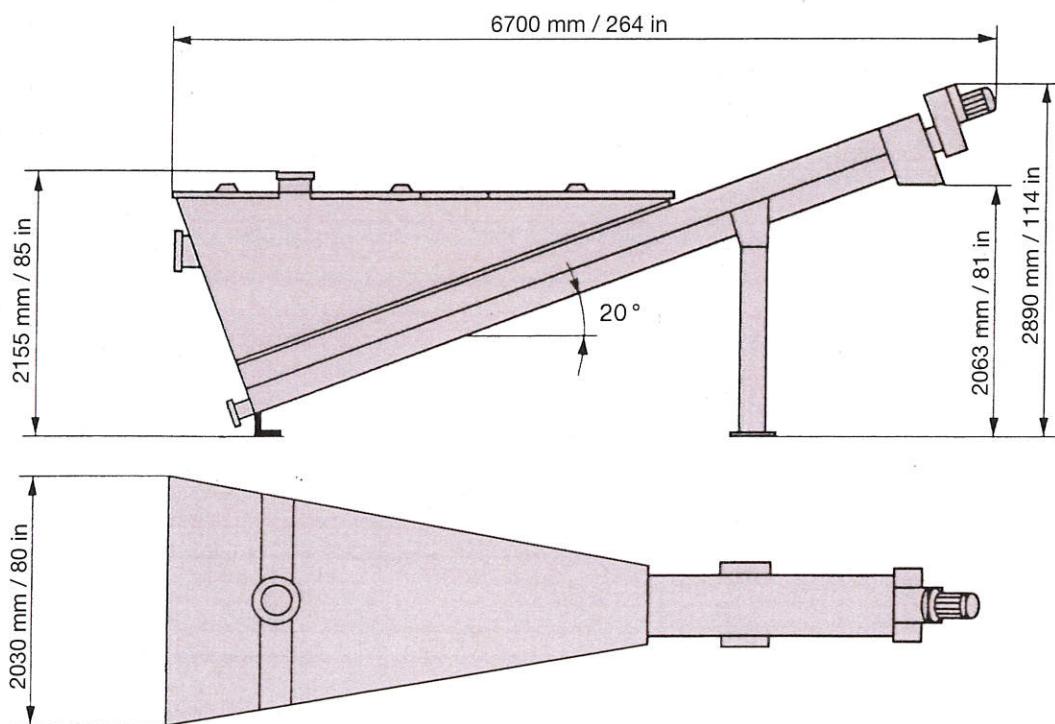
The rejects are fed into the constantly filled funnel of the Sedimator. A deflector underneath the inlet of the supply pipe guides the reject flow into the sedimentation area.

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 ft <sup>2</sup>	3.45 m <sup>2</sup>
Sedimentation volume	6.4 ft <sup>3</sup>	1.88 m <sup>3</sup>
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 GmbH and **meri** Anlagentechnik GmbH



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