

## SOLIQUATOR



### FLOW RATE RANGE

**2.25-11.25 m<sup>3</sup>/h / 9.9-49.5 gpm**

NAME	Soliquator
PRODUCT CODE	SLS75
DIAMETER	1000 mm / 40"
HEIGHT	4750 mm / 187"

### OPERATION

The liquids are treated in a closed vessel having NO moving mechanical components. The system is microprocessor and/or PC controlled. The liquids to be treated are collected in a pool and a pump supplies the liquids to the Soliquator. At the same time a polymer solution is automatically prepared and is injected into the influent pipe. The influent and polymer solution are mixed in the static mixer and transferred into the Soliquator through a special inlet. Concentrated sludge is collected at the bottom of the Soliquator and released to a sludge reservoir or to a dewatering process. The effluent may be reclaimed for reuse or further treatment. Optional: Enhanced PC Control automation.

### FEATURES

Liquid - solid separation with small foot print (One-tenth the size of a conventional clarifier) for the same flow. Improved performances on COD/BOD. On line treatment system for recycling waste material and effluent water, for reuse in diverse industrial applications. Sludge thickening of municipal waste water. Automatic compensation for changing quality of waste water influent.

### MODELS AND CAPACITIES

The capacity of the system is determined by the density of solids and liquids. Generally the system can handle mixtures with 0.2 to 30 grams or more of suspended solids per liter. The special internal construction and the hydraulic design of the Soliquator permit a very high sedimentation velocity. As a result, a very small volume and sedimentation area are needed. According to specifications, the capacity of the system may vary between 5 to 30 m<sup>3</sup>/h by 1 sq. meter (2 to 12 GPM by 1 sq. Foot) of decantation surface. There are 7 standard models with diameter ranging between 1 to 3 meters (3 to 10 feet) and with a section surface ranging between 0.75 m<sup>2</sup> to 7 m<sup>2</sup> (8 to 75 sq. Feet).

## SOLIQUATOR



### FLOW RATE RANGE

**6-30 m<sup>3</sup>/h / 26.5-132 gpm**

NAME	Soliquator
PRODUCT CODE	SLS200
DIAMETER	1600 mm / 63"
HEIGHT	5400 mm / 213"

### OPERATION

The liquids are treated in a closed vessel having NO moving mechanical components. The system is microprocessor and/or PC controlled. The liquids to be treated are collected in a pool and a pump supplies the liquids to the Soliquator. At the same time a polymer solution is automatically prepared and is injected into the influent pipe. The influent and polymer solution are mixed in the static mixer and transferred into the Soliquator through a special inlet. Concentrated sludge is collected at the bottom of the Soliquator and released to a sludge reservoir or to a dewatering process. The effluent may be reclaimed for reuse or further treatment. Optional: Enhanced PC Control automation.

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## SOLIQUATOR



### FLOW RATE RANGE

**12-60 m<sup>3</sup>/h / 52.8-264 gpm**

NAME	Soliquator
PRODUCT CODE	SLS75
DIAMETER	1000 mm / 40"
HEIGHT	4750 mm / 187"

### OPERATION

The liquids are treated in a closed vessel having NO moving mechanical components. The system is microprocessor and/or PC controlled. The liquids to be treated are collected in a pool and a pump supplies the liquids to the Soliquator. At the same time a polymer solution is automatically prepared and is injected into the influent pipe. The influent and polymer solution are mixed in the static mixer and transferred into the Soliquator through a special inlet. Concentrated sludge is collected at the bottom of the Soliquator and released to a sludge reservoir or to a dewatering process. The effluent may be reclaimed for reuse or further treatment. Optional: Enhanced PC Control automation.

### FEATURES

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