



AUTOMATIC FLOATING SLUDGE REMOVAL EQUIPMENT AW-ASSA 200/E

Effective solution for the removal of floating sludge

APPLICATION

- Primary and secondary settlement tank for wastewater treatment without scraper equipment
- Industrial plants with sedimentation tanks

PRODUCT DESCRIPTION

The AW-ASSA 200/E automatic floating sludge remover is used to remove floating sludge from settlement tanks (primary or secondary sedimentation tanks). According to the tank size, the position of attachment and flow conditions, one or several decanters can be installed.

The sludge is drawn in by a pulsating pipe system and is pumped into the sludge storage tank. A submersible pump is installed underneath the pipe system. The floating intake pipe equalises the usual water level changes in the primary and secondary sedimentation tanks. The intake capacity and water level are easily adjusted via a ball valve. Sludge removal can take place in either automatic or manual modes.

DESIGN FEATURES

The removal device is mounted to an adjustable height position on the edge of the tank or on the operator platform, which makes retrofitting easy.

The sludge removal is carried out by means of a submersible pump and a “pulsating pipe” system. The interaction between intake and the drive forces causes the dipping and lifting of the intake port. The sludge intake area has a diameter of approx. 4 m.

Depending on the tank size, position of attachment and flow conditions, one or several decanters can be installed. In automatic mode the pause/running schedule can be adjusted on any conventional control system.



ADVANTAGES

- Simple design and high functional reliability
- Can be easily retrofitted
- Compatibility with conventional control systems
- Minimum operator work

