



SBC SLUDGE BLANKET CONTROLLER

AUTOMATIC OPERATION OF THE KROFTA DAF



Krofta® Technologies specializes in liquid solid separation technology and manufactures a full range of flotation clarification and filtration equipment.

Krofta is dedicated to technical innovations and has developed a **sludge blanket controller (SBC)** to allow for automatic operation of the Krofta Dissolved Air Flotation clarification equipment. The SBC will control the sludge blanket thickness for both the Multifloat (rectangular) and Supracell (circular) DAFs.

SBC SLUDGE BLANKET CONTROLLER DESCRIPTION

The controller allows automatic sludge blanket monitoring and adjustment of removal rates in order to maintain optimum blanket thickness. As the scoop/scrapper speed is no longer an operator variable, it never runs too fast picking up excess water nor too slow producing excessive blanket thickness. This yields an increased average sludge consistency and overall improvement in clarified water quality. Additional benefits include greater dewatering efficiency and a reduced dewatering capacity requirement.

OPERATIONAL FEATURES

- Automatic scoop speed control
- Maintains optimal sludge blanket thickness
- LED + Photocell sensor package
- Electronic unit controls and indicators
- Visual and audio alarms
- 0 -10 VDC or 4-20 mA control output to scoop motor variable frequency drive
- Auto and test operating modes





OPERATIONAL ADVANTAGES

- Optimizes sludge consistency
- Improves clarified water quality
- Improves sludge belt press efficiency
- Reduces dewatering chemical usage
- Simple and economical control
- Ease of installation
- Alarm circuits improve process reliability
- Provides three speeds and On/Off control

KROFTA SUPRACELL DAF

