

DE 50-125 ELECTRICAL DECANTERS

Two- (2P) or four-float (4P) decanters with a mobile, electrically controlled drain trough. Wastewater drainage is regulated by changing the height of the overflow edge of the drain trough with respect to floats by means of an electromechanical actuator. An electric motor and induction limit sensors allow for operation in automatic mode using the local CMIA (Control, Measurement, Instrumentation and Automation) system.

The decanter's floats are fastened to the wall and stabilized horizontally by means of joints or rolls on pipe guides and allow for operation with any fluctuations of the wastewater level.

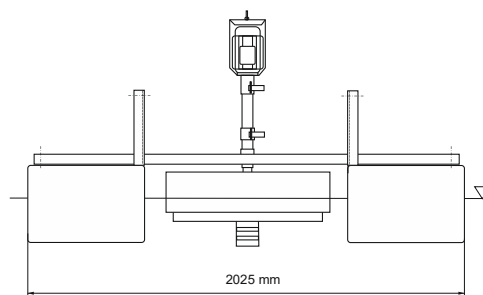
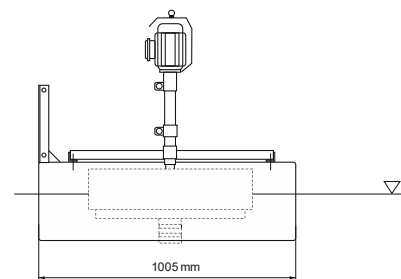
Function:

- for periodic drainage of the clarified surface layer of wastewater,
- replace secondary settling tanks at wastewater treatment plants operating in a sequential system.

Decanter material: stainless steel.

DE decanter size	50	65	80	90	100	110	125	Unit
Interior diameter of rigid drain channel	50	65	80	90	100	110	125	mm
Interior diameter of flexible drain channel (PVC hose)	60	75	90	100	110	125	135	mm
	2.5'	3'	3.5'	4'	-	5'	-	inches (mm)
Comparative output for flexible hose*	35	60	90	115	145	175	225	m ³ /h
Exterior dimensions of floats (horizontal plane)	1005x2025 (2P) or 2025x2025 (4P)							-
Decanter weight with floats	145 (2P) or 215 (4P)							kg
Float stabilization	P – articulated or R - roll							-
Spacing of roll guide pipe axes	1100							mm
Lifting mechanism motor power	0.25							kW

* Comparative output for PVC hose, length 3m, for constant level difference 2m and free outflow. For safety of the treatment plant's operation and problem-free decanter operation, a sluice valve should be mounted on the hose's outlet. The data above should be given in greater detail and updated based on information on www.biox.pl



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