

## DJ 50-125 SINGLE-FLOAT DECANTERS

A very simple and reliable decanter with a single float immersed at a constant depth. Wastewater collection occurs by means of a rigid or flexible drain conduit. The output of gravity drainage mainly depends on the decanter's size and the extent to which the sluice valve on the outlet of the drain hose is opened.

The decanter can operate with any fluctuations of wastewater level. The float can float freely on the wastewater surface within the range of the drain conduit or retaining lines, or it can be positioned by means of an articulated or roll stabilization system.

Functions:

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

Parameter	Decanter size							Unit of measure
	50	65	80	90	100	110	125	
Interior diameter of rigid drain channel	50	65	80	90	100	110	125	mm
Interior diameter of flexible drain hose (PVC)	60	75	90	100	110	125	135	mm
	2.5'	3'	3.5'	4'	-	5'	-	inches
	63.5	76.2	89	102	-	127	-	mm
Comparative output for flexible hose*	35	60	90	115	145	175	225	m <sup>3</sup> /h
Float diameter (d)	640 or 800							mm
Float immersion depth (h)	150 - 200							mm
Total weight of decanter with ballast (without hose)	75 - 120							kg
Stabilization system	P – articulated or R – roll							-
Spacing of roll guide pipes (a)	350							mm
Minimum dimensions of inspection hatch	750x950 (dia. 950) or 900x1150 (dia. 1150)							mm

\* Comparative output for PVC hose, length 3 m, for constant level difference 2 m 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](http://www.biox.pl)

