



Sample Circulator & Cleaner

Brief Introduction:

The Paddle Wheel of Hydrolab Sample Circulator & Cleaner is driven by electric magnetic motor which is built-in the sensor compartment.

Features:

- Provides eddy flow at 1ft/sec velocity for cleaning all the sensors prior to each measurement
- Provides enough flow for accurate repeatable DO measurements, meet the requirement of APHA Standard Methods, 1995, 4500-OG
- Sample circulation of sufficient vigor has been shown in field measurements to remove the harmful Inert interferenced materials of sensor fouling, even includes the Conductivity Graphite electrodes which are located in the hollow vertical surface of open cell
- Sample circulation can not only sweep away inert debris, such as leaf litter and sediment, but can also discourage biologically-active foulants (bacteria, algae, fungi, larvae) from attaching to active measurement surfaces
- Sample circulation provide the flow necessary for better sensor performance, increase the sample representative of larger water matrices



Benefits:

- Reduces the influence of protective structures near the sensors
- Offers smaller size and lower power consumption than other circulation means
- Speeds sensor response to changes in the sensed parameter or in temperature