

Part number: 0103000

## Overview

The Air-Blast Adapter is designed to reduce biological and physical fouling of the RDO probe by directing a burst of air over the sensing surface of the RDO cap. Reduced fouling improves measurement accuracy and extends the time between maintenance procedures.

## Instructions

- 1 Turn the original nose cone counterclockwise and remove it from the probe leaving the RDO sensor cap in place.
- 2 Slide the Air-Blast Adapter over and past the RDO sensor cap.
- 3 Turn the Air-Blast Adapter clockwise until it is firmly attached to the probe.
- 4 Purchase the appropriate length of standard air tubing (O.D. 1/4 in.)
- 5 Press down on the Air-Blast Adapter fitting and slide the tubing in place.
- 6 Release the fitting and gently pull the tubing to make sure it is securely attached.
- 7 Attach the free end of the tubing to a compressed air unit that can be set to 20 psig at 0.5 SCFM.
- 8 Perform an air blast for 60 seconds every four hours.



To detach the tubing, lift the fitting and pull the tubing from the adapter.



Expect spikes in the oxygen readings during air blast intervals. To avoid spikes in the data, use a timer and take the instrument offline during the air blast.

## Cleaning Tips

- **Remove Guard**—Clean the instrument with a soft bristle brush to remove visible debris.
- **RDO Sensor Cap**—Do not remove the sensor cap. Clean with the cap in place. Rinse the sensor cap with clean water. Gently clean with a soft-bristled brush or soft cloth. Use Alconox® if necessary to remove grease. Do not use organic solvents because they will damage the sensor.
- **Air Blast**—Wear appropriate personal protective equipment before cleaning the Air-Blast Adapter. Remove the adapter and soak it in a standard calcium lime and rust (CLR) solution for five minutes. Scrub the guard with a soft bristle brush. Rinse with water and repeat if necessary. Do not clean the RDO sensor or the instrument with the CLR solution.