



BACK DIFFUSION ASSEMBLY

PROTECT OXYGEN SENSOR DURING LOSS OF FLOW CONDITION

When you lose flow through your AMI oxygen analyzer, the sensor can be exposed to oxygen entering through the analyzer exhaust line. If your analyzer is experiencing routine loss of gas flow, resulting in premature sensor failure, the **AMI BACK DIFFUSION ASSEMBLY** may be your solution. The **AMI BACK DIFFUSION ASSEMBLY** protects the oxygen sensor from oxygen saturation due to vent line air ingress. Without this protection, the oxygen sensor's usable life will be depleted quickly due to continuous exposure of the 20.9% oxygen in air.

SENSOR PROTECTION WHEN FLOW IS LOST

With an **AMI BACK DIFFUSION ASSEMBLY** installed with the analyzer, the liquid in the **BACK DIFFUSION ASSEMBLY** prevents oxygen in air from reaching the sensor through the vent line when gas flow is lost. Glycol is the recommended liquid to use in the **BACK DIFFUSION ASSEMBLY** due to its low freezing point. During normal gas flow operation, the **BACK DIFFUSION ASSEMBLY** has negligible back pressure on the vent line and does not impact the analyzer performance.

DESIGNED FOR AMI OXYGEN ANALYZERS

The **AMI BACK DIFFUSION ASSEMBLY** is designed to work with the **MODEL 2010BX** Trace Oxygen Analyzer, **MODEL 210BX** Percent Oxygen Analyzer, and **WATCHDOG** Oxygen Analyzer.

DIMENSIONS (NOT INCLUDING VENT TUBE)	6" height x 5" width x 3" depth (16 cm x 13 cm x 7 cm)
WEIGHT	1.7 lbs (0.8 kg)
CONNECTION	1/4" fittings and tube
PART NUMBER	4BDA02



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