

IDI - CYBOR

ADS 500 Series Reservoir and Controller



The Reservoir (ADS 500) and Controller (ADS 510) provide a reliable means of adding Air Removal and Source Switching to new or existing pumps.

The fully automated reservoir increases system utilization and uptime with virtually no operator assistance.

The Reservoir and Controller System operate totally independent of the process tool. Up to four individual Reservoirs are operated through the PLC based controller. Each reservoir utilizes liquid level sensing and automated source switching capability to maintain a continuous supply of photo chemical.

The 250 ml Teflon® reservoir uses a vacuum venturi to siphon the process fluid from the remote source container into the reservoir. The vacuum level is user adjustable to control the fill rate, adapting to various fluid viscosities, tubing sizes and lengths. The sealed chamber of the reservoir allows the downstream pump to continuously recharge the process fluid directly from the source container. This prevents the vacuum venturi from cycling with each dispense.

The ADS 510 PLC based controller continuously monitors the Reservoir operation. During the refill mode, an alarm is generated locally if the fluid level is not met within the user specified time. The unit will signal the user of the empty source and switch to the alternate one. Alarm signals are available to interface to your process tool.



CYBOR

INTEGRATED DESIGNS, LP

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FEATURES

- Stand-alone operation
- Usable with other brands of chemical pumps
- Viscosity range from 1 to 3000 cP
- 250 ml holdup volume
- All Teflon Flow Path
- 1/4", 3/8" and 1/2" flare tube connections
- Low N₂ consumption
- PLC Controls

DIMENSIONS

- Reservoir:
5.5" W x 8.65" D x 11.0" H
139.7 mm x 219.7 mm. X 279.4 mm
- Controller:
12.0" W x 8.25" D x 6.0" H
304.8 mm x 209.5 mm. X 152.4 mm
- Mounting:
Bench top
Wall mount

BENEFITS

- Automatic Air Extraction from the Pump Source lines
- Source Switching
- 100% chemical usage
- Fully Automated operation
- Easy setup
- Small Footprint
- Controller can manage up to four Reservoirs

FACILITY REQUIREMENTS

- 110/120VAC 50/60 Hz, 5 Amps
- Filtered N₂ at >70 psi, >5 SCFM per Reservoir

*The Easy Choice...
For Chemical Management Solutions*



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by

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