

AutoFill Reservoirs



AutoFill Reservoirs are reagent troughs that keep themselves filled. Each reservoir has an embedded sensor which monitors its liquid level. When needed, a controller refills the reservoir by adding reagent via a miniature pump. If source reagents run out and the reservoirs cannot refill, no problem, the controller can be configured to send emails or raise events enabling your automation software to notify you and pause a run.

Reservoirs are made from inert material, are high-recovery, low dead-volume and come with three sensor options. Standard optical sensors are ideal for biochemical reagents whereas a stainless steel ultrasonic sensor option is preferable for use with solvents such as DMSO. When sterile conditions are required, a non-contact, externally mounted adhesive sensor is available. Any of the sensor options can be used to convert third party mixing reservoirs to AutoFills.

AutoFill Reservoirs can be used stand alone, requiring no computer control, or they can be controlled through provided software. An application controls up to 12 reservoirs simultaneously and has a .NET API that is easily integrated into automation control software. AutoFill Reservoirs are ready integrated with Agilent VWorks, paa Overlord and Retisoft Genera scheduling software.

Developed and used in a production screening environment for the past 5 years, AutoFill Reservoirs have proven themselves invaluable. They guaranty a consistent and timely supply of precious reagents and can hold chilled or light sensitive reagents protected until just needed. AutoFill Reservoirs provide peace of mind that your automated assay can run unattended.

AutoFill Reservoir Specifications





Reservoirs

- Inert, high-recovery landscape and portrait configurations
- Multiple sensor options including:
 - Optical sensors for standard biochemical applications
 - Stainless ultrasonic sensors for enhanced solvent compatibility (DMSO)
 - Adhesive non-contact sensors when sterility is required
- Replaceable 1/8" ID fill tubing

Controller

- Controls up to 3 reservoirs
- 100 ml/min fill pumps
- Operates as stand alone or under computer or TTL input control
- 12V, 15W, 10 x 10 x 4"
- USB 2.0 computer connection

Software

- Application with .NET API for integration with other software applications such as automation and scheduling software
- Automated control to turn reservoirs on and off when needed
- Monitor reservoir fill status and email filling errors
- Pre-Integrated with commercially available scheduling platforms
 - Agilent VWorks: www.agilent.com  **Agilent Technologies**
 - paa Overlord: www.paa.co.uk 
 - ReTiSoft Genera: www.retisoft.ca 