TECHNICAL DATA SHEET

ALab™ dFlow Electronic Bottle-Top Dispenser

Electronic bottle-top dispenser · 0.1 to 99.9 mL · 16 speed levels · ISO 8655



ALab™ dFlow Electronic Bottle-Top Dispenser

The ALab™ dFlow electronic bottle-top dispenser; image shown for reference.

CONTENTS

01 Product Overview

02 Core Advantages

03 Specifications

04 Applications

ACS MATERIAL, LLC

959 E Walnut St., Suite 100

Pasadena, CA 91106, USA

Phone +1 (866) 227-0656

Fax +1 (781) 518-0284

contact@acsmaterial.com

Revision Date **10/22/2026**

SECTION I

Product Overview

The ALab™ dFlow is a motor-controlled electronic bottle-top dispenser for 0.1 to 99.9 mL, with a 10 mL piston lift, 100 µL resolution and 16 speed levels. The quality control standard is ISO 8655.

A stepper motor drives the piston for fatigue-free dispensing in continuous or stepper modes, a reagent recovery function returns liquid to the bottle, and a TFT display is fitted.

SECTION II

Core Advantages

- **Drive** — stepper motor
- **Modes** — continuous or stepper
- **Display** — TFT
- **Speed** — 16 levels
- **Reagent** — recovery function
- **Standard** — ISO 8655

SECTION III

Specifications

Technical data — dFlow

Specifications	
Brand	ALab™ by ACS Material
Model	dFlow
ACS Cat. No.	ALDFLW00
Product type	Electronic bottle-top dispenser
Volume range	0.1 to 99.9 mL
Max. piston lift	10 mL
Resolution	100 µL
Speed	16 levels
Dispensing modes	Continuous or stepper
Drive	Stepper motor
Reagent recovery	Yes
Display	TFT
Operating temperature range	15 to 40°C
Quality standard	ISO 8655
Control type	External control

Accuracy and precision

Volume (mL)	Relative error R (%)	CV (%)
10	0.5	0.3
5	1.0	0.6
1	5.0	3.0

R = relative error; CV = coefficient of variation. Values apply at the measured volumes shown.

SECTION IV

Applications

Repeated bottle-top dispensing of bases, saline solutions, acids and some organic solvents.

Check chemical compatibility for the intended reagent. Specifications are per the tables above.

Revision Date: 10/23/2026

DISCLAIMER

ALab™ is a trademark of ACS Material, LLC. ACS Material, LLC believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. ACS Material makes no representations or warranties, either express or implied, regarding the suitability of the equipment for any application or the accuracy of the information contained within this document. Specifications are typical and may vary by model; assess product details and application suitability for the intended use. Accordingly, ACS Material will not be responsible for damages resulting from use of or reliance upon this information.