

ELECTROLAB
Your Quality, Our Assurance

Media DeAerator

NEW

***With Integrated
Do Probe***

***Turbo Accurate
Dispense***



Robust Design

cGmp Body

DeAer Turbo



Ultra-Fast Degassing & Dispensing — Boost Throughput Across the Lab

Feature	Benefit
Turbo Degassing Engine	Rapid degassing cycles—prepares media faster, even during peak workload.
Optimized Flow Path	Quick and smooth dispensing—fills vessels efficiently with minimal bubbles.
Adaptive Degassing Algorithm	High accuracy every time—automatically adjusts for consistent degassing results
SLS Media Support	Zero-foam performance—degasses Sodium Lauryl Sulphate media without interruptions.

Mobile Floor-Standing Design — Use It Wherever You Need

Feature	Benefit
30-Meter Power Cable	Large lab coverage—easily reaches dissolution testers across multiple rooms or zones.
Heavy-Duty Wheels	Effortless mobility—move the unit smoothly across the lab as required.
Wheel Locking Brakes	Stable operation—secure the unit firmly near dissolution apparatus during dispensing.
Floor-Standing Layout	No table needed—designed to be positioned directly near dissolution baths or media storage zones.



Corrosion-Free Construction — Made for Wet, High-Usage Labs

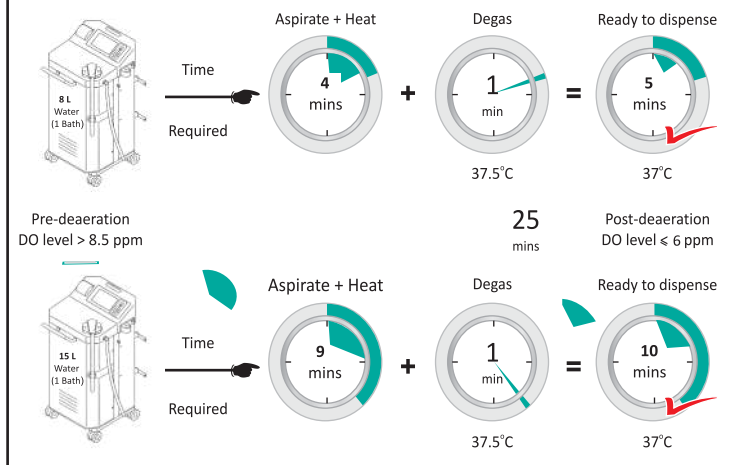
Feature	Benefit
ABS Engineering Plastic Body	100% rust-proof—ideal for humid and high-moisture dissolution rooms.
Stain-Resistant Surfaces	Easy to maintain—keeps looking clean even with frequent handling.
Chemical-Tolerant Internals	Resists media and buffers—ensures long-lasting performance with acids, surfactants, and routine lab spills.

Rugged & Reliable — Built for Continuous Daily Operation

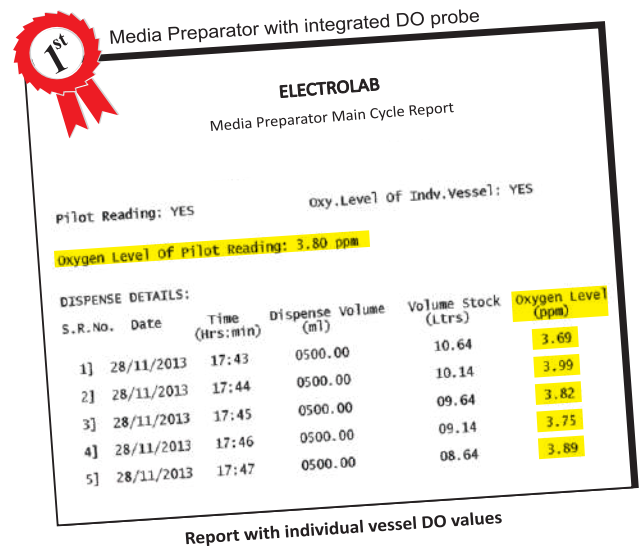
Feature	Benefit
Reinforced Pump Assembly	High-duty operation—withstanding long hours without performance degradation.
Life-Cycle Validated	Proven durability—tested across extended operational cycles for reliability.
Vibration-Free Framework	Consistent dispensing accuracy—stable and quiet operation near sensitive instruments.



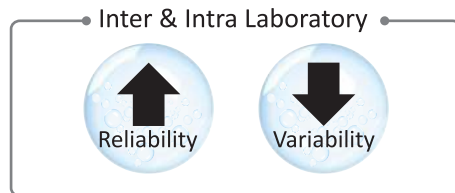
Single batch deaeration reduces process time and ensures inter-vessel consistency in DO level



*Data on file (DO: Dissolved Oxygen)



USP 35 states “Dissolved gases can cause bubbles to form, which may change the results of the test.”



	Effective deaeration reduces variability in results by:
	52.3 % of mean percent dissolved 11.8 % of standard deviation

Ref : Eaton J et al. Perturbation Study of Dissolution Apparatus Variables - A Design of Experiment Approach. Dissolution Technologies; 14(2):20-26.

≤ 6 ppm is recommended dissolved oxygen level for USP Prednisone Tablets RS (Ref : USP Dissolution Toolkit version 2.0)

Features of Optical DO probe

- Compliance with ASTM International Method D 888 – 05
- Quick response optical sensor technology
- No membrane: Cost-effective optical sensor technology allows maintenance - free operation
- No electrolyte, no drift
- No O₂ consumption: Precise in low O₂ concentration
- No cross sensitivity with pH 1-14, CO₂, H₂S, SO₂
- Real time temperature compensation
- Provides reliable and reproducible results
- Rugged and robust stainless steel construction



DO Probe

Specifications



Model	DeAer Turbo
Aspiration :	
Media volume	2 L to 15 L
Accuracy	± 1 %
Flow rate (during run cycle)	1000 ml / 12 sec
Dispense :	
Dispense volume	200 ml to 4000 ml
Accuracy	± 1 %
Flow rate (during run cycle)	1000 ml / 13 sec
Temperature :	
Temperature range	20°C to 50°C
Temperature accuracy	± 0.5°C
Other specifications :	
Degassing level (measured by DO meter)	≤ 6 ppm of DO*
Media tank	Stainless Steel
Vacuum	Automatic Adjustable
Pump	High-performance piston pump
Pump accuracy	± 1 %
Electrical power	230 VAC / 50 Hz ± 10 % 110 VAC / 50 Hz ± 10 %

* Dependent on media type and conditions

Models	Basic (15 Liter tank)	Thermal Printer	(DO) Dissolved Oxygen Sensor
Deaer-Turbo : 15	√		
Deaer-Turbo : 15 (T)	√	√	
Deaer-Turbo : 15 (DO)	√		√
Deaer-Turbo : 15 (TDO)	√	√	√

Our Products

- Complete range of Dissolution Testers • Disintegration Testers • Friability Testers • Tablet Hardness Testers
- Electromagnetic Sieve Shakers • Tap Density Tester • Bulk Density Tester • Powder Flow Tester • Leak Tester • Peristaltic Pumps



The information contained in this document is believed to be correct but ELECTROLAB accepts no liability for any errors and reserves the right to alter specifications without notice
December, 2018 / 070F002

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