

Bottle Top Dispenser “Fully Autoclavable” RD Series



Iris is proud to offer its new bottle top dispenser which is an unique combination of competitive pricing and high performance. All wetted parts are PTFE, FEP and borosilicate glass only which allows the instrument to be used with wide variety of laboratory chemicals. The RD-30 bottle top dispensers are available in seven volume ranges; 0.25 - 2.5ml, 0.5 - 5ml, 1 - 10ml, 2.5 - 30ml, 5 - 60ml, 10 - 100ml and 50 - 400ml

All wetted parts are PTFE, FEP and borosilicate glass only which allows the instrument to be used with wide variety of laboratory chemicals. High precision and accuracy is ensured through careful selection of raw material and several stages of strict quality checks during manufacturing process. Each instrument is individually calibrated in ISO 17025 accredited laboratory in accordance with ISO 8655 standards and comes with individual calibration certificate.

- Smooth, effortless plunger movement and bubble free dispensing.
- Easy to dis-assemble for cleaning and servicing.
- Instrument is fully autoclavable at 121⁰C, 15 psi. for 10 - 15 mins.

Piston: Specially designed PTFE piston ensures wiper-like smooth, effortless movement and high accuracy.

Glass Barrel Protection: Glass Barrel is protected by a polypropylene sleeve. it also ensures no glass splitting in case of any accidental breakage.

Adaptors: Adaptors to fit most of the laboratory reagent bottles are provided in the following sizes : 28, 30, 32, 36, 40 & 45 mm.

Nozzle Cap: Nozzle cap prevents any unwanted drop on the work space and avoids contact with hazardous chemicals.

Adjustable Delivery Nozzle: Adjustable delivery nozzle to facilitate dispensing ease in all demanding laboratory conditions.

Volume Adjustment Knob: Convenient and easy volume setting with minimal force ensuring no fatigue or strain. A 270 degree turn in the clockwise direction ensures locking and unlocking respectively.

Calibration: Specially designed calibration tool is provided for convenient and quick in-lab user re-calibration. This is in compliance with GLO/ISO norms.

Valve Manifold: Specially designed, springless, PTFE valve manifold ensures excellent chemical compatibility and leak proof valve functioning.

Technical Specification:

Product Type	Fully Autoclavable Bottle Top Dispenser
Model	RD Series
Autoclavable	Yes
Volume Range	0.25-2.5ml / 0.5-5ml / 1-10ml / 2.5-30ml / 5-60ml / 10-100ml / 50-400ml
Increment	0.05 ml / 0.1 ml / 0.2 ml / 0.5 ml / 1.0 ml / 2.0 ml / 5.0 ml
Piston	PTFE
Cylinder	Glass
Volume Adjustment Knob	Screw Type
Valve Housing	PTFE
Valve Assembly	Glass Ball & Seat
Discharge Assembly	PTFE
Delivery Tube	FEP
Inlet Tube	FEP
Calibration	Individually calibrated and certified. In-lab easy calibration by the user is also possible.
Accuracy & Reproducibility	In accordance with ISO 8655 standards
Certifications/Compliance	CE, ISO 8655
Catalogue No.	40030xx-0

Technical Data:

Model	Volume Range	Increment (ml)	ISO 8655 Specifications				Iris Specifications			
			Accuracy		CV		Accuracy		CV	
			±%	± ml	±%	± ml	±%	± ml	± %	± ml
RD-2	0.25-2.5 ml	0.05 ml	0.6	0.015	0.2	0.005	0.6	0.015	0.2	0.005
RD-5	0.5-5 ml	0.1 ml	0.6	0.03	0.2	0.01	0.5	0.025	0.1	0.005
RD-10	1-10 ml	0.2 ml	0.6	0.06	0.2	0.02	0.5	0.05	0.1	0.01
RD-30	2.5-30 ml	0.5 ml	0.6	0.18	0.2	0.06	0.5	0.15	0.1	0.03
RD-60	5-60 ml	1.0 ml	0.6	0.36	0.2	0.12	0.5	0.3	0.1	0.06
RD-100	10-100 ml	2.0 ml	0.6	0.6	0.2	0.2	0.5	0.5	0.1	0.1
RD-400	50-400 ml	5.0 ml	0.6	2.4	0.2	0.8	0.5	2	0.1	0.4



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