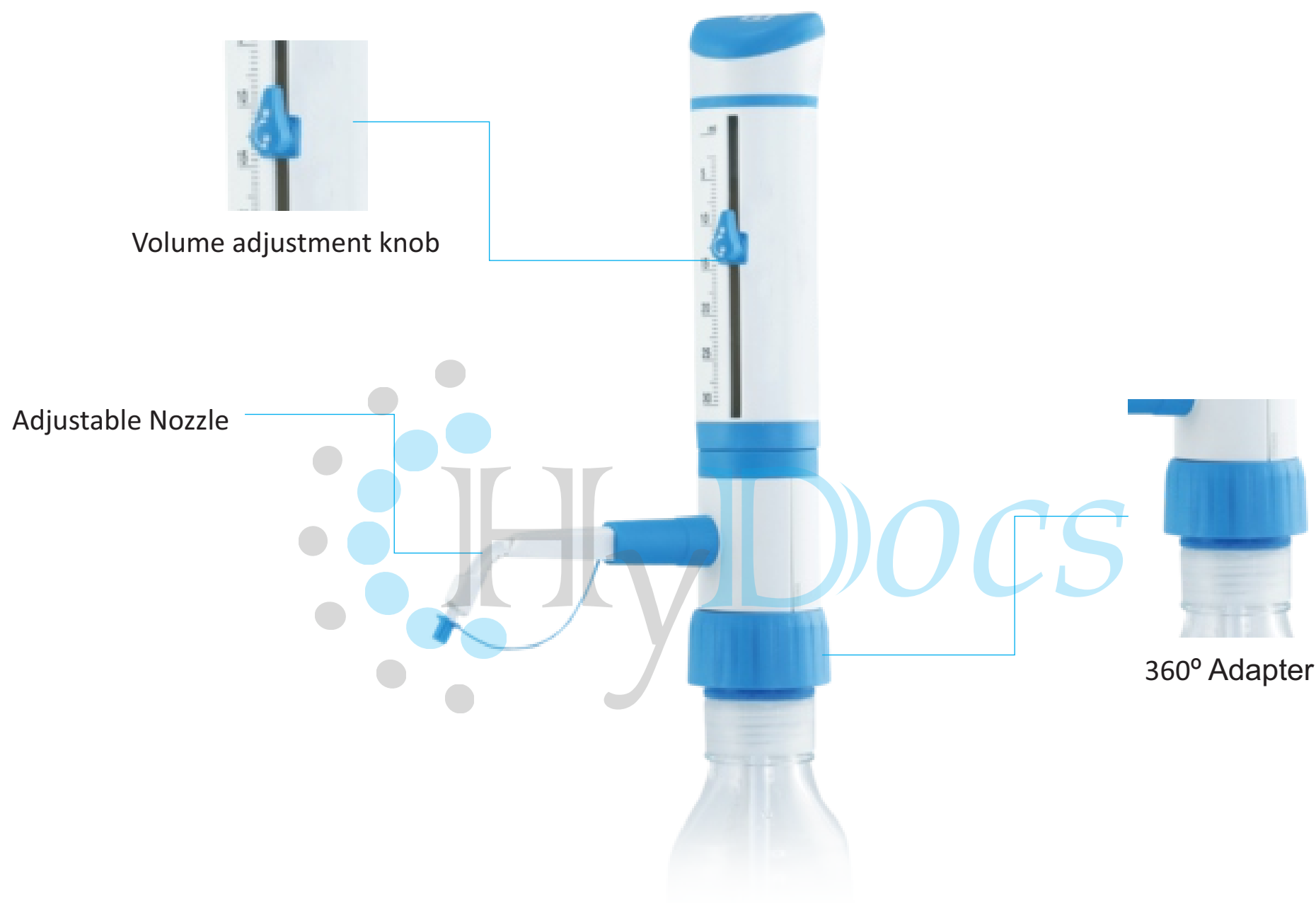


Bottle Top Dispenser



Description:

Hydocs Bottle Top Dispenser (BTD) offers a simple, cost-effective blend of sophisticated features and functionality. Bottle Top Dispenser also features two product innovations, Volume adjustable knob and adjustable Nozzle that enhance its ease of use and flexibility.

Volume Adjustment Knob

Volume adjustment knob is specially designed to adjust volume that allows 180° rotation for easy and effortless volume setting.

Adjustable Nozzle

It offers a high degree of flexibility, facilitating easy dispensing in demanding laboratory conditions.

360° Adapter

A specially designed Adapter allows 360° rotation, facilitating complete work flexibility.



Features:

Autoclaving Parameters

Hydocs Bottle Top Dispenser is fully autoclavable at 121 °C and 15 psi for a duration of 10 – 15 minutes.

Comprehensive Volume Range

Hydocs Bottle Top Dispenser is available in six unique volume ranges:

1. 0.25-2.5 ml
2. 0.5-5 ml
3. 1-10 ml
4. 2.5-30 ml
5. 5-60 ml
6. 10-100 ml

Traditional Bottle Top Dispensers contain two valves with glass balls:

Inlet Valve:

This valve is vertical. It operates under gravity and does not require a spring to hold the glass ball in its position, in order to keep the valve closed.

Outlet Valve:

This valve is horizontal. It requires a spring to keep the glass ball in its position, in order to keep the valve closed while aspirating reagents in the barrel. It opens only when a reagent is being dispensed.

The spring, housed in the Outlet Valve, poses a lot of problems:

A user has to procure different kinds of Bottle Top Dispensers for different applications owing to spring metal reactivity. This proves to be an expensive proposition.

Apart from this, the spring also offers a surface for deposition of chemicals. This results in a piston jam, there by compelling the user to repeatedly clean the valve, or replace it altogether.

Adapters



The instrument comes with five adapters that comfortably fit most laboratory reagent bottles. The available sizes are –
28 mm, 32 mm, 36 mm, 40 mm and 45 mm.

Extendable Tube



A Telescoping Tube, that can be adjusted according to a variety of bottle sizes, is provided as an inside-the-box accessory.



Specification:

Model	Volume Range	Increment	Accuracy		CV	
			±%	±ml	±%	±ml
HYBDT2.5	0.25-25 ml	0.05 ml	0.6	0.015	0.2	0.005
HYBDT5	0.5-5 ml	0.1 ml	0.6	0.030	0.2	0.010
HYBDT10	1-10 ml	0.2 ml	0.6	0.060	0.2	0.020
HYBDT30	2.5-30 ml	0.5 ml	0.6	0.180	0.2	0.060
HYBDT60	5-60 ml	1.0 ml	0.6	0.360	0.2	0.120
HYBDT100	10-100 ml	2.0 ml	0.6	0.600	0.2	0.200