

straw pipette with manual adjustable volume range function

Straw pipette is a manual precision pipetting tool, designed for rapid, multiple repetitive pipetting of a fixed volume of liquid, suitable for volume range between 0.1mL to 1.0 mL.

Straw Pipette

Main Features

1. Adjustable volume system: Easily set different volumes—supports multiple consecutive operations for high efficiency.
2. Digital volume display: Clear, intuitive—reduces setting errors and streamlines adjustments.
3. Universal metal nozzle: 240mm length, 4mm diameter—reaches deep into narrow containers and homogenizing bags.
4. Ergonomic design: Comfortable grip and smooth operation for long sessions.
5. Quick release mechanism: Pipette ejects automatically after use—minimizes hand contact and contamination risk.



6. Whole autoclave sterilization: Sterilize at 121°C without disassembly—ideal for aseptic environments.
7. Simple, corrosion-resistant construction: Easy to clean, maintain, and assemble.

Advantages

1. Saves time and consumables: Fast, repeatable aspiration—no frequent equipment changes needed.
2. Highly adaptable: Compatible with standard glass/plastic straws—replaces traditional suction ear ball equipment.
3. Enhanced safety: Eliminates cross-contamination risk from oral aspiration.
4. Reliable precision: Stable volume control ensures repeatable, consistent pipetting.
5. Handles non-standard containers: Perfect for bags, long-neck bottles, and tricky liquid samples.

Working Principle

Air displacement: Negative pressure draws liquid from the container via the straw, then releases it smoothly—ensures bubble-free, splash-free transfer with high reproducibility and accuracy.

Application Areas

1. Microbiology: Dispensing culture media, adding reagents.
2. Food safety: Extracting liquid samples or standards.
3. Environmental analysis: Water sample prep, chemical analysis.
4. Clinical/hospital labs: Serum, reagent, and body fluid handling.
5. College teaching: Practice and pre-lab preparations.
6. Drug preparation: Proportional liquid addition, dilution, sample processing.

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Model	Volume range	Accuracy	Coefficient of variation
PS1M	0.1ml to 1ml	$\pm 0.5\%$ to $\pm 2.0\%$	$\pm 0.4\%$ to $\pm 2.5\%$
straw	length 240mm,diameter 4mm, 50pcs each bag		