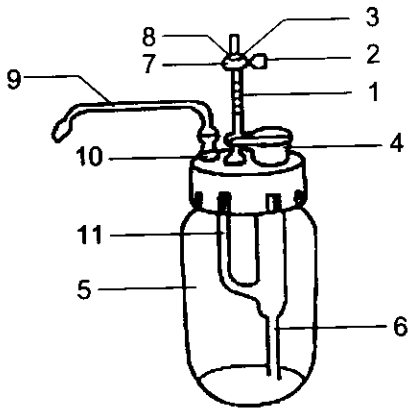
Fixed & Adjustable Glass Dispensers

KJ Series Product Manual

2.101.005.020



1. Scale Bar
2. Screw
3. Cap Head Screw
4. Handle Knob
5. Syringe
6. Inlet Check Valve Tube
7. Locating Sleeve
8. Adjusting Screw
9. Glass Discharge Tube
10. Latex Tube
11. Outlet Check Valve Tube

These fixed & adjustable glass dispensers are semi-automatic liquid dispensers, which are suitable for continuously dispensing liquid with a fixed volume.

I. Advantages

The upper & lower single phase pistons in the dispenser are precision ground, screened and washed, and the sealing performance of the outer barrel of the syringe with the core is excellent, so as to guarantee the accuracy of dispensing amount.

The locating rod is marked with scale lines. To discharge a definite volume of liquid, move the locating sleeve to the scale line corresponding to the volume required.

As proved by extensive use for a long time, it has been proved that the use of these fixed & adjustable glass dispensers is convenient and reliable, featuring high efficiency and low repetitive error, it can greatly reduce time and costs in research and experiment.

The main body of the apparatus is made of hard glass and medical plastic PP to withstand common acid/alkaline liquids, with capability for high temperature disinfection.

II. Exterior, Model and Specification

KJ-0.38ml KJ-1ml KJ-5ml KJ-10ml

Figure 1

III. Usage

Open the bottle lid and hold the upper piston tube of the dispenser with the hand. Dip the non-abrasive end of the discharge elbow in water and then insert the latex tube, as shown in Figure 1. To replace the latex tube, cut it open with a knife and pull it off. Never drag it violently in order to avoid damage to the upper piston tube.

Pour the solution into the bottle and then replace the bottle lid.

Figure 2

Loosen the set screw and pull it to the scale line corresponding to the volume required (the upper end of the locating sleeve is aligned with the scale line on the locating rod), and then tighten the set screw, as shown in Figure 2.

The dispensing volume should be in accordance with the specifications in the product manual.

For a more accurate volume, use the weighing method to calibrate it. For calibration, loosen the cap head screw and adjust the fine-tune screw. Rotate the fine-tune screw clockwise to increase volume, or rotate it counter-clockwise to decrease volume.

After calibration, tighten the cap head screw.

Figure 3

Gently pull and push the syringe core in the vertical direction several times to deplete the bubbles from the upper piston tube and the outlet tube, and then the dispenser is ready for use. When dispensing, make sure to pull and push fully in order to avoid an insufficient dispensing volume. The outlet liquid level may shrink when not in use for a period of time. This is a normal phenomenon and it only needs to pull and push one time before use. See Figure 3.

IV. Technical Standards

Specification	Volume Range	Minimum Scale Unit	Accuracy	Remark
KJ-0.38		0.38	±0.01	0.38 is a fixed volume
KJ-1	0.1-1	0.1	±0.02	As per the volume
KJ-5	0.5-5	0.5	±0.04	scale lines marked on
KJ-10	1-10	1	±0.1	the locating rod