

Drop Dispenser

PS-6935

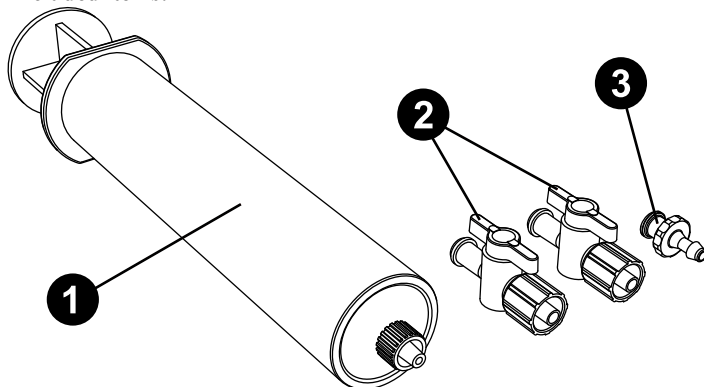
Introduction

The Drop Dispenser consists of a 60 milliliter (mL) syringe, two stopcocks, and a drop tip. The dispenser is designed to work independently as a burette or with a PASCO drop counter, which measures the number of drops of fluid that fall through a rectangular opening in the sensor. The Drop Dispenser can be adjusted to control the number of drops per unit of time. For best results, the Drop Dispenser should be held in place by a clamp and mounted on a rod stand.

⚠ IMPORTANT: Do NOT use the Drop Dispenser to hold highly concentrated solutions, strong oxidizers such as bleach, or reactive organic solvents. These chemicals will corrode the syringe, creating a potential hazard and significantly reducing its usable lifetime.

Equipment

Included items:



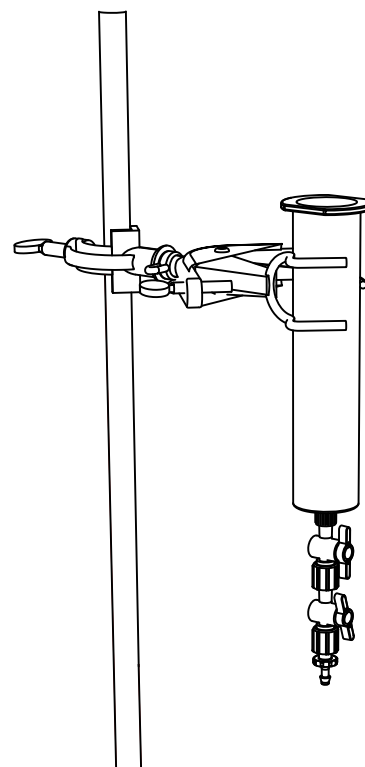
- ❶ Syringe (60 mL)
- ❷ 2× stopcocks
- ❸ Drop tip

Recommended items:

- Wireless Drop Counter (PS-3214), or PASPORT High Accuracy Drop Counter (PS-2117) with PASPORT interface
- Wireless pH Sensor (PS-3204), or PASPORT pH Sensor (PS-2102) with PASPORT interface
- Wireless Temperature Sensor (PS-3201), or PASPORT Temperature Sensor (PS-2125) with PASPORT interface
- Three-Finger Clamp (SE-9445) or equivalent
- Base and Support Rod (ME-9355) or equivalent

Assembly

1. Remove the plunger from the syringe. Remove the protective white plastic caps from the stopcock valves.
2. Connect the two stopcocks together, then connect the stopcocks to the end of the syringe.
3. Connect the drop tip to the end of the stopcocks.
4. Attach the syringe to a support rod via the Three-Finger Clamp (SE-9445) or an equivalent clamp.



Operation

The stopcocks are closed when the valve handles are at right angles to the body of the stopcock. They are fully open when the valve handles are parallel to the body of the stopcock. Use the valve on the upper stopcock to regulate the number of drops per unit of time. Use the valve on the lower stopcock to start and stop the flow of liquid.

For most experiments, the drop rate should remain approximately constant (about 2 drops per second or less) during data collection. Before adjusting the drop rate, close the valve on the bottom stopcock and fill the syringe with liquid. Once the syringe is full, open the valve on the bottom stopcock to start the flow of liquid. Adjust the valve on the upper stopcock to regulate the number of drops per unit of time.

Technical support

Need more help? Our knowledgeable and friendly Technical Support staff is ready to answer your questions or walk you through any issues.

-  Chat [pasco.com](https://www.pasco.com)
-  Phone 1-800-772-8700 x1004 (USA)
+1 916 462 8384 (outside USA)
-  Email support@pasco.com

Limited warranty

For a description of the product warranty, see the Warranty and Returns page at www.pasco.com/legal.

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