

## GC Accessories

Flow Measurement: *Digital Volumetric (Bubble) Flowmeters*

## NEW PRODUCTS

## Optiflow Flowmeter Glassware Kits

This kit includes: glassware (flow tube), squeeze bulb, and flexible tubing.



28683-U

1 ea

## Manual Volumetric (Bubble) Flowmeters

The most basic configuration of a bubble flowmeter is a calibrated tube, a stopwatch, and a good eye. The bubble is timed as it moves up the calibrated tube between two markings.

## Manual Bubble Flowmeter (Capillary Version)

This 0.5 mL bubble flowmeter allows the true split ratio to be determined by measuring actual flow rate. The flow tube is graduated in 0.01 mL increments to allow for the low flows typical of capillary GC applications. The flow tube is held by two magnetic clamps so the unit can be attached to any metal surface for easy storage. A version that includes a sampling stand is offered for added portability.

Description	Cat. No.	Qty
magnetic clamps	23762-U	1 ea
stand included	23771	1 ea

## Manual Bubble Flowmeter (Standard Version)

The most basic configuration of a bubble flowmeter is a calibrated tube, a stopwatch, and a good eye. The bubble is timed as it moves up the calibrated tube between two markings. Flow tubes are graduated as follows:

- 10 mL tube in 1 mL increments
- 25 mL tube in 5 mL increments
- 50 mL tube in 10 mL increments
- 100 mL tube in 20 mL increments

Includes glass flow tube with two magnetic clamps, a short piece of Tygon tubing and a squeeze bulb. **Stand not included.**

Description	Cat. No.	Qty
flow meter volume 10 mL	20562	1 ea
flow meter volume 25 mL	20431	1 ea
flow meter volume 50 mL	20432	1 ea
flow meter volume 100 mL	20433-U	1 ea

## Manual Bubble Flowmeter (Large Version)

The most basic configuration of a bubble flowmeter is a calibrated tube, a stopwatch, and a good eye. The bubble is timed as it moves up the calibrated tube between two markings. An alternative tubing attachment port at the top of the flow tube allows the measurement of negative displacement. Flow tubes are graduated as follows:

- 500 mL tube in 50 mL increments
- 1000 mL tube in 100 mL increments

Includes the glass flow tube, 30 in. (3/4 m) of 5/16 in. Tygon tubing, a squeeze bulb, a collapsible stand, and a bottle of liquid soap solution.



20414

Description	Cat. No.	Qty
500 mL	20414	1 ea
1000 mL	20415	1 ea

## Replacement 500 mL Glass Flow Tube

20427-U	1 ea
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## Replacement 1000 mL Glass Flow Tube

20428-U	1 ea
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