

**Sampling Tripod Stands**

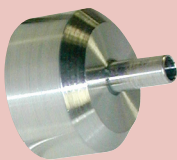
Stands telescope to 1.5 meters (5 ft) for breathing zone measurements. *Sampling tripod stands are not intended to hold a high-volume vacuum pump.*



Description	Cat. No.
Tripod for 25- or 37-mm cassette	228-502
Tripod for mounting BioStage Impactor or QuickTake 15 pump	225-9536

**Tech Tips**

- ▶ Many pumps, such as SKC Universal pumps, include a flow indicator. These indicators should not be used for flow calibration. Perform flow calibration with an external primary standard flowmeter (see below right or pages 36 and 37) placed in the airflow in front of the sampling train.
- ▶ When using a soap film flowmeter, use high-purity laboratory-grade film solution (see Cat. No. 302-4011 below right) for stronger, more sustainable bubbles.



Calidaptor  
(Cat. No. 391-01)

**Precision Dual-ball Rotameters**  
Extend Range of Measurement

Rotameters are portable flowmeters that consist of a vertical tube that contains a ball or float. As air or gas passes upward through the tube, the ball is stabilized at a point that is balanced by the weight of the ball in relation to the scale on the tube. Dual-ball rotameters contain two balls that relate to two different scales, which extends the rotameter's measuring range. Dual-ball rotameters are easy to use, require no liquid, and have excellent repeatability. As with most rotameters, they are affected by pressure and temperature and should be calibrated periodically to a primary standard.

Measuring Range (ml/min)	Cat. No.
235-2350 and 500-5000	320-235-4600
4-49 and 24.5-245	320-5-245
5-5000	320-5-4600



Dual-ball Rotameter  
Cat. No. 320-5-4600

**150-mm Scale Rotameters**

Measuring Range (ml/min)	Accuracy*	Cat. No.
300-3000 (2.2 L/min is clearly defined for MDHS 14/3)	5%	392-0330
600-5000	5%	392-0650
1000-13,000	5%	392-1130
2000-26,000	5%	392-2260

\* Full scale

**Economical Field Rotameters**

SKC field rotameters are lightweight, rugged, portable, and available in different flow ranges to cover a wide range of air sampling applications.

- ▶ Easy-to-read scales
- ▶ Provisions for panel mounting
- ▶ Rugged and portable
- ▶ Low cost



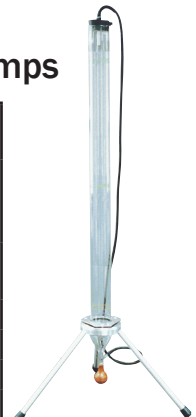
Meas. Range (L/min)	Scale (inch)	Accuracy*	Cat. No.
0.05-0.5	2	5%	320-2A05
0.1-1.0	4	3%	320-4A1
0.4-5.0	4	3%	320-4A5
4-20	4	3%	320-4A20L
4-50	4	3%	320-440
5-30	4	3%	320-530
3-30	4	3%	320-100†

\* Full scale

† Fittings adapted for use with QuickTake Sample Pumps

**Soap Film Flowmeters**  
Primary Standards for Calibrating Sample Pumps

Description	Meas. Range (ml/min)	Cat. No.
<b>Laboratory Film Flowmeter Kit</b> includes a precision glass buret, film solution, operating instructions, adapter for vacuum or pressure, and aluminum tripod stand	300-3000	311-1000
<b>Portable Field Flowmeter Kit</b> includes a precision glass buret, film solution, operating instructions, and carry case	5-500	303
<b>Calibrating Accessories</b>		
<b>Film Solution</b> , 473 ml (16 oz)		302-4011
<b>Precision Digital Stopwatch</b> , powered by 3 AA batteries		303-01-1
<b>Calidaptor</b> for hands-free IOM calibration using 392 Series Rotameters		391-01
<b>Cowled Head Calidaptor</b> for hands free asbestos calibration using 392 Series Rotameters		391-05



Laboratory Film Flowmeter