



# μ-FLOWMETER™

**#206370 STANDARD MODEL**

**#206372 DELUXE MODEL**

This simple easily installed device provides a ready measure of flowrates from conventional or micro HPLC pumps.

## Section 1.0 Assembly Instructions

- 1.1 See Section 3.0 packing list and ensure that all components have been received. Notify SGE immediately of any shortages.
- 1.2 Refer to Fig. 1.
- 1.3 Identify the supporting bracket base (#1). This is supplied drilled to accommodate two 3mm (10G) screws for mounting on a vertical or horizontal surface, immediately adjacent to the eluent exit of the detector. Alternatively the block is also supplied with double sided adhesive tape for the same purpose.
- 1.4 Identify the valve and supporting arm assembly (# 2).
- 1.5 Identify two 5mm holes (# 4) in the supporting bracket base. These holes are to accept the supporting arm shaft (# 5) in either the vertical or horizontal attitude. The supporting arm shaft is locked in place using the set screw (# 6).
- 1.6 - # 206370 standard version.  
Assemble the 1mL capacity flow tube into the threaded recess in the supporting arm and firm up finger tight.
- 1.6 - #206372 DeLuxe Version.  
Select the appropriate flow tube from the three supplied. These are 1mL capacity, 250μL capacity and 50μL capacity. Assemble the selected tube into the threaded recess in the supporting arm and firm up finger tight.  
**CAUTION DO NOT OVERTIGHTEN**
- 1.7 Loosen the set screw (# 6) and adjust the orientation of the assembly until the flow tube is vertical. Re tighten the screw.
- 1.8 Connect the effluent line from the detector into the side arm (# 7) using the nut (# 8) and sealing ring (# 9) provided.
- 1.9 Position a "waste" solvent receptacle directly under the drain outlet (# 10).  
NB Do not restrict this outlet in any way as excess back pressure can force liquid to rise in the flow tube which is inappropriate, except when taking a measurement.

## Section 2.0 Operation

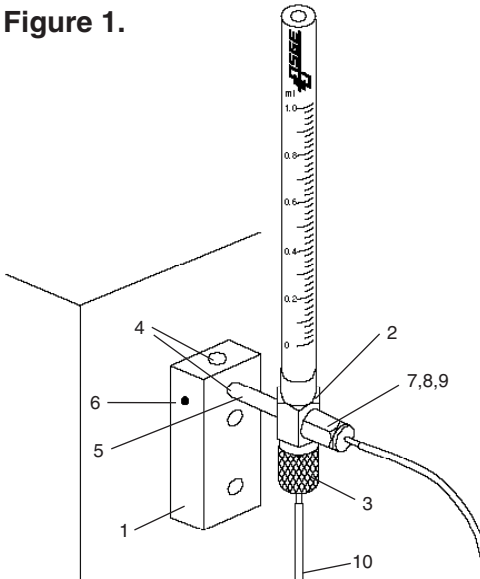
- 2.1 Refer again to Fig. 1 and identify the waste on-off valve (# 3). This is operated by sliding it "up" or "down".
- 2.2 To take a measurement move the valve into the "down" position. This closes off the waste discharge.
- 2.3 Time the liquid as it rises over the scale in the flow tube.
- 2.4 At the completion of the measurement, move the valve to the "up" position. This will open the waste discharge and empty the flow tube.
- 2.5 Close the valve by moving it downwards in order to repeat the measurement.
- 2.6 For normal operation, leave the valve in the "up" or open position.

## 3.0 Packing Lists

# 206370 Standard Version	
Support Bracket/Valve assembly	x 1
1ml Flow Tube	x 1
Nut, SSN-16	x 1
Sealing Ring, PSR-16	x 1
Allen Key	x 1
Spanner 3/16 - 1/4 A.F.	x 1
Mounting Block	x 1
PTFE Tube, 0.5M	x 1
Instruction Leaflet	x 1

# 206372 DeLuxe Version	
Support Bracket/Valve assembly	x 1
1ml Flow Tube	x 1
250µL Flow Tube	x 1
50µL Flow Tube	x 1
Nut, SSA-16	x 1
Sealing Ring PSR-16	x 1
Allen Key	x 1
Spanner 3/16 - 1/4 A.F.	x 1
Mounting Block	x 1
PTFE Tube 0.5M	x 1
Instruction Leaflet	x 1

**Figure 1.**



### UNITED STATES OF AMERICA

SGE, Incorporated  
 Telephone : +1-512-837 7190  
 Toll Free : (800) 945 6154  
 Fax : +1-512-836 9159  
 E-mail : usa@sge.com

### AUSTRALIA AND PACIFIC REGION

SGE International Pty Ltd  
 Phone: +61-3-9837 4200  
 Fax: +61-3-9874 5672  
 E-mail: support@sge.com

### UNITED KINGDOM

SGE Europe Ltd  
 Phone: +44-1908-568 844  
 Fax: +44-1908-566 790  
 E-mail: uk@sge.com

### FRANCE

SGE Europe Ltd. (France)  
 Phone: +33-1-69 29 80 90  
 Fax: +33-1-69 29 09 25  
 E-mail: france@sge.com

### GERMANY

SGE GmbH (Germany)  
 Phone: +49-6151-860 486  
 Fax: +49-6151-860 489  
 E-mail: germany@sge.com

### JAPAN

SGE Japan Inc  
 Phone: +81-45-222 2885  
 Fax: +81-45-222 2887  
 E-mail: japan@sge.com

### INDIA

SGE Laboratory Accessories Pvt Ltd  
 Phone: +91-22-24715896  
 Fax: +91-22-24716592  
 E-mail: sgeindia@vsnl.com

### CHINA

SGE China Service Centre  
 Phone: +86-10-6588 8666  
 Fax: +86-10-6588 6577  
 E-mail: sales@jjindustries.com.cn

### MIDDLE EAST

Tel: 00 971 - 6 - 557 3341  
 Fax: 00 971 - 6 - 557 3541  
 email: gulfsupport@sge.com

