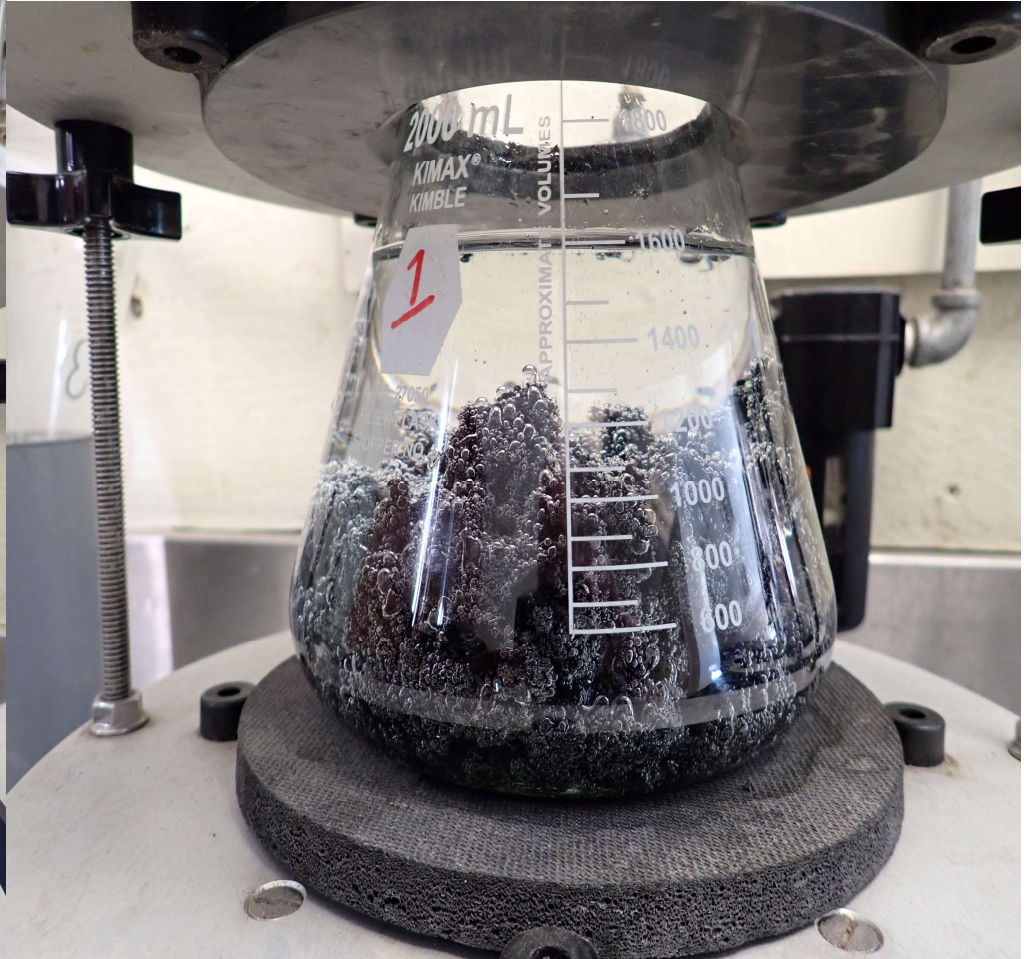


**(Partial Vacuum of 30.0 +/- 5.0 mmHG
for 15 +/- 2 min.)**







flasks under vacuum and agitated

(15 +/- 2 min, mechanical shake only for volumetrics)



flasks under vacuum and agitated (15 +/- 2 min, mechanical shake only for volumetrics)





After 15 min test period pressure released slowly (Approx 8 kpi)



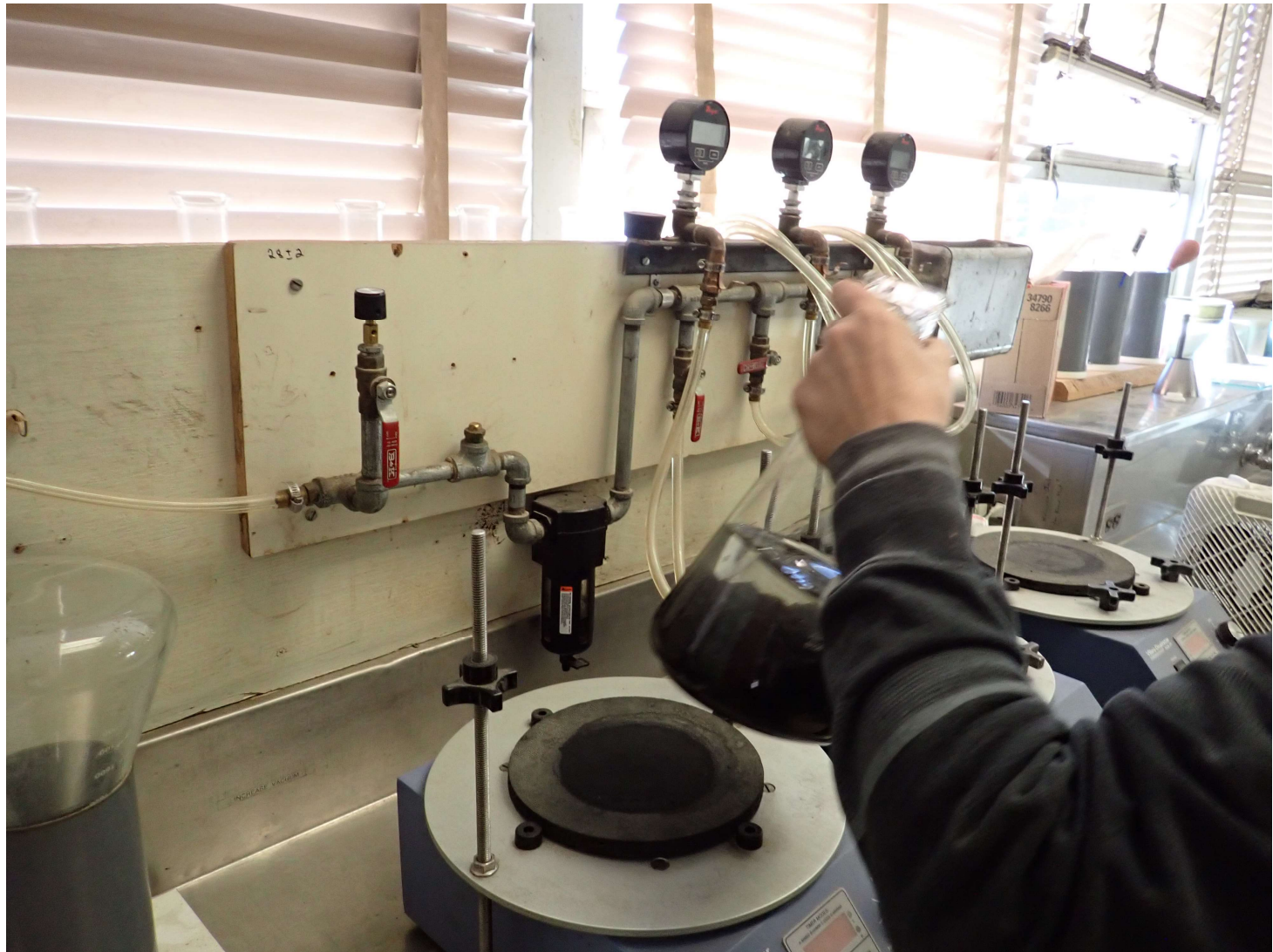












Flask filled with 77° water



Care taken not to Reintroduce air back into sample



Water temperature



Make sure not to reintroduce air



Dry the flask





Obtain weight



Calculations

$$G_{mm} = \frac{A}{A + D - E} \quad (2)$$

where:

A = mass of the oven-dry sample in air, g;

D = mass of the container filled with water, g; determined in accordance with Section A1.2;
and

E = mass of the container filled with the sample and water, g.

Example

VOIDLESS UNIT WEIGHT TESTING					
Mass of Flask + H ₂ O @ 77°F (g)	Mass of Oven-Dry Sample in Air (g)	Mass of Flask + Sample + H ₂ O(1) (g)	Maximum Theo Specific Gravity	Avg. Max Theo Specific Gravity	Eff. SG Aggregate GSE
7746.0	1828.6	8814.4	2.405	2.406	2.614
7746.0	1830.5	8815.8	2.406		