

Chemistry Lab

Equipment: Identification and Use

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*(created by Julie Linsey, Milford High
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What is the title of this equipment?

Beaker

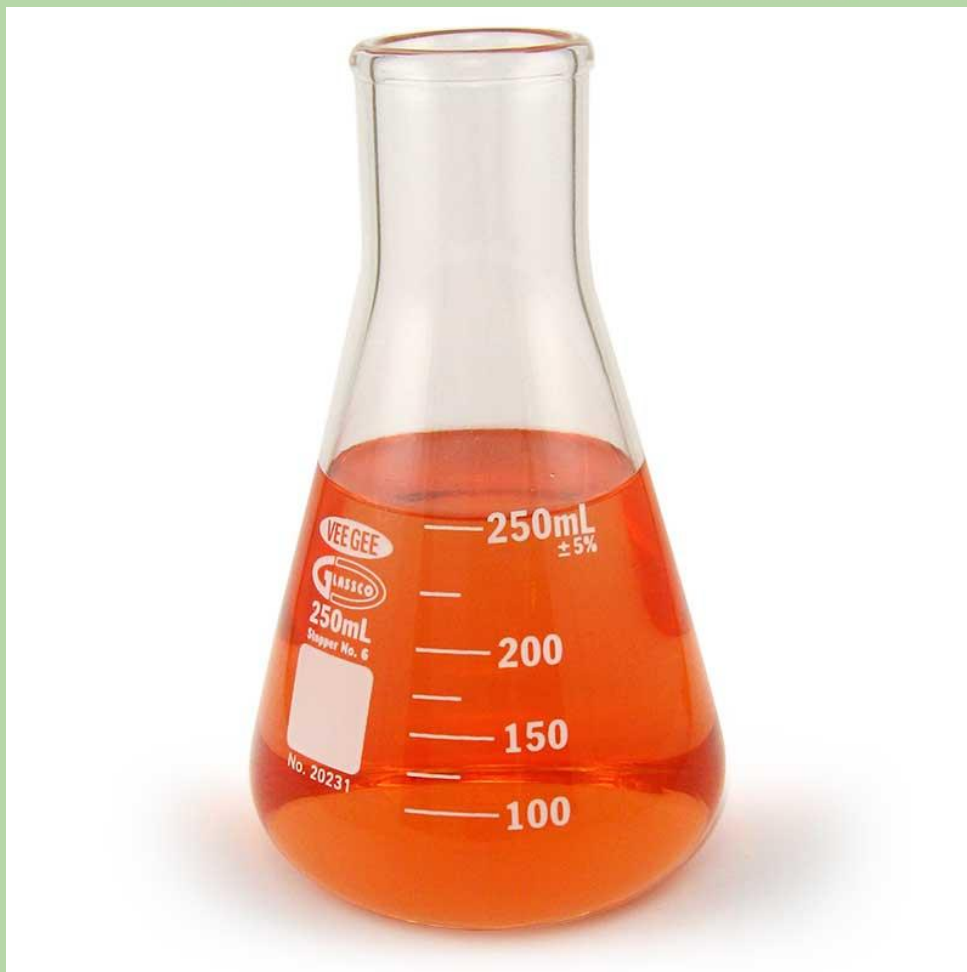


What are the uses associated with this equipment?

- Storing and mixing (solids and liquids)
- Performing chemical reactions
- Heating or cooling solutions
- Water or ice baths for test tubes
- Approximate measures of liquids or solutions (NOT precise)

What is the title of this equipment?

Erlenmeyer flask

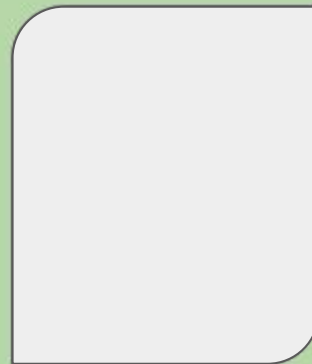


What are the uses associated with this equipment?

- Storing and mixing solutions
- Performing chemical reactions
- Heating or cooling solutions
- Have a smaller “neck” than a beaker and can be stoppered and/or clamped to apparatus, if desired.

What is the title of this equipment?

Graduated cylinder



What are the uses
associated with
this equipment?

- Used to measure liquid volume precisely
- Precision is dependent on scaled markings

What is the title of this equipment?

Glass pipet

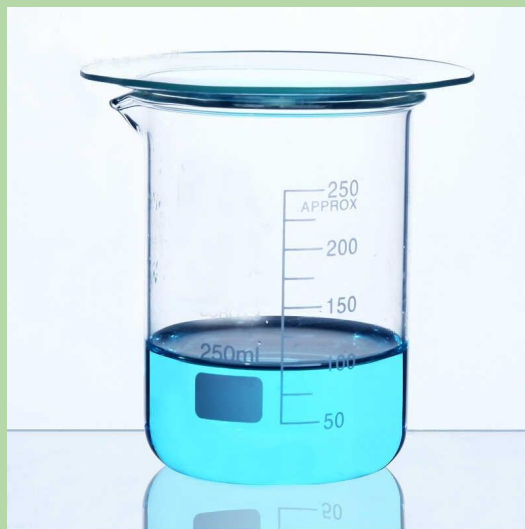


What are the uses associated with this equipment?

- Used to transfer small volumes of liquids or solutions

What is the title of this equipment?

Watch glass

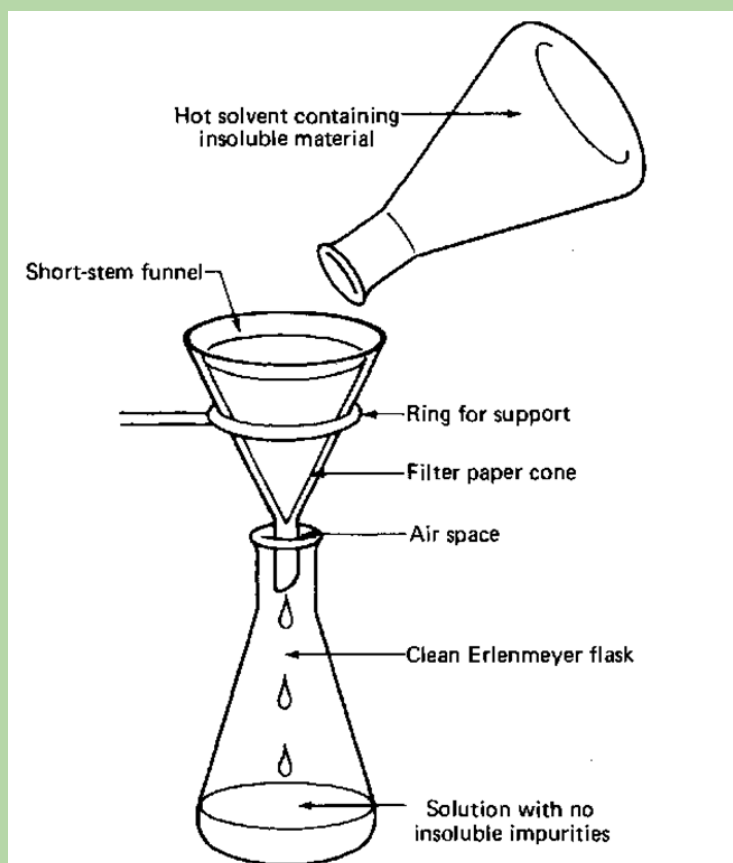


What are the uses associated with this equipment?

- can be used to perform chemical reactions
- can be used to hold a solid or test for solubilities
- can be used as a beaker cover

What is the title of this equipment?

Funnel



What are the uses associated with this equipment?

- used to direct a liquid or solid powder being poured into a narrow opening
- used during to hold the filter paper and direct the flow of the liquid in a mixture

What is the title of this equipment?

Glass stirring rod

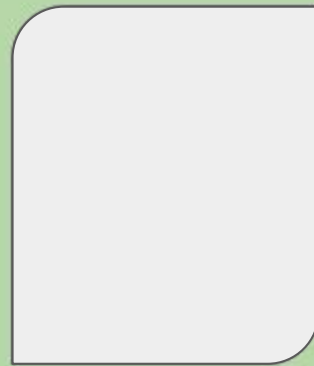


What are the uses associated with this equipment?

- Used to stir solutions
- Can be used as “wick” during decanting process

What is the title of this equipment?

Stainless steel spatula



What are the uses associated with this equipment?

- Used to transfer powdered solids
- Used to scrap solids from a surface or walls of a vessel

What is the title of this equipment?

Hot plate



What are the uses associated with this equipment?

- Provides an adjustable heat source for experiments

What is the title of this equipment?

Test tube



What are the uses associated with this equipment?

- Used for small chemical reactions
- Convenient for water bath set-ups (hot or cold)

What is the title of this equipment?

Test tube rack



What are the uses associated with this equipment?

- Holds test tubes while performing chemical reactions
- Can be used as a drying rack for test tubes after cleaning

What is the title of this equipment?

Digital mass scale



What are the uses associated with this equipment?

- Used to measure mass of matter (solid or liquid) usually in grams

What is the title of this equipment?

Weighing boat



What are the uses associated with this equipment?

- Used to hold chemicals when measuring mass of substance.
- Allows for easier transfer of chemical substance

Lab processes shown:

- Measuring mass using a digital mass scale
- Includes zeroing or taring



Click to watch YouTube video above



Equipment used:

- Digital mass scale
- Weighing boat
- Spatula