

CappAero

MECHANICAL PIPETTES

Symphony of Precise Measurements

The world of research has close similarities to a music performance.

As in music, a good performance calls for accuracy in each note played - in science the precision of instruments used in research can lead either to a great discovery or a fruitless disaster.

By introducing adjustable volume pipettes that can also be used with removable fixed volume knobs, we created a pinnacle of accuracy that will lead you to the highest extent of success.

We invite you to experience the symphony of precise automatic pipettes and tips as powerful as Beethoven's Ninth Symphony and as enjoyable as Mozart's Minuets.



Masters of precision



Ultimate interior design allows you to spend more time on research and less time maintaining your pipette.



 **Highlights**

Ultimate interior design

- Steel alloy plunger does not bend or break.
- Thick synthetic polymer seals do not split or leak, can be used for many years without replacement costs.
- Robust steel alloy body protects internal components from damage if dropped.
- Utilizes a double-seal design to prevent leakage that may occur with a single seal.
- Large ejection spring provides low ejection forces.
- Aluminum alloy shaft offers superior durability while making tip loading easy and shaft does not wear down from loading friction.

Traditional pipettes need continuous maintenance:

- » Small plastic seals and “O” rings wear-out often and need frequent replacement.
- » Plastic shaft wears down from the friction involved with tip loading and needs frequent replacement.
- » They can also be easily broken if the pipette is accidentally dropped.
- » Plastic body provides a single seal and might not protect fragile internal components against impact or moisture.



 **Highlights**

Dual “O” ring technology:

Guarantees best tip fit

- Outer “O” rings make tip loading easy.
- The first “O” ring creates a smooth seal while the second “O” ring creates a positive stop to ensure that the tips are airtight, sealed, and can be ejected with the smallest amount of force.
- Ensures optimal seal. Guarantees usage of any tip with perfect results.



 **Highlights**

Pipette body

- Ergonomic body with balanced weight distribution offers the greatest comfort for extended pipetting periods.
- Contoured body shape fits perfectly to all hand sizes.
- Thumb-friendly soft spring pipetting system reduces plunger pressure by up to 50% and guarantees comfortable work.

One pipette with separate fixed volume controllers solves all your problems.

- High precision pipettes which combine all the requirements of a modern pipette with the highest level of accuracy and precision.
- Exchangeable volume control knob.
- Single handed, easy and practical volume setting.
- Easy and practical volume setting. Requires 50% fewer turns in comparison to some other brands.
- Ergonomic finger hook for comfortable handling and reducing hand stress.
- Colour-coded, large tip ejector pad for easy volume identification. Large pad of tip ejector guarantees easy tip ejection.
- Ergonomic tip ejection reduces thumb workload by up to 70% compared to other brands. Also makes disassembly easy.
- Serial number is printed on each pipette.
- Dual “0” ring technology guarantees best tip fit.
- Outer “0” rings make tip loading easy.
- Individually calibrated and supplied with a quality control certificate.

Exchangeable volume control knob:

Easy volume setting with single hand. Requires 50% fewer turns in comparison to other brands. Volume display is always fully visible.

Volume lock:

Allows selecting the desired volume and locking the indicator.

Finger hook:

For comfortable handling and to take the weight for a more relaxed grip.

Tip ejector:

Colour-coded for easy volume identification. Large pad of tip ejector guarantees easy tip ejection.

Ergonomic body:

Ultralight, with balanced weight distribution for greatest comfort and for extended pipetting periods. Contoured and ergonomic body shape that fits perfectly to all hand sizes.

Serial number:

Is printed on each pipette.



Catalog number	Volume range	Inaccuracy %	Imprecision %	Colour code
C02-1S	0.2-2µl	12.00/2.00	6.00/1.00	Violet
C02-1	0.2-2µl	12.00/2.00	6.00/1.00	Violet
C10-1	0.5-10µl	2.50/1.00	1.80/0.50	White
C20-1	2-20µl	5.00/1.00	1.50/0.30	Grey
C50-1	5-50µl	2.00/1.00	1.20/0.30	Red
C100-1	10-100µl	2.50/0.70	1.00/0.20	Orange
C200-1	20-200µl	2.50/0.60	0.70/0.20	Yellow
C1000-1	100-1000µl	2.00/0.80	0.60/0.20	Blue
C5000-1	1-5ml	1.20/0.60	0.30/0.15	Green

Dual “0” ring technology:

Guarantees best tip fit. Outer “0” rings make tip loading easy.

Highlights

Exchangeable volume control knobs

Change your variable volume pipette to a fixed volume pipette in seconds.

- Use one variable-volume pipette with many pre-calibrated fixed volume knobs and substantially reduce costs.
- Take off the variable volume control knob and insert any desired fixed volume knob in seconds.
- Save time by no longer turning micrometer dials.
- Eliminate setting errors by using pre-calibrated volume knobs. Fixed volume knobs are calibrated to consistently pipette the same amount.



Highlights

Volume Lock Feature

Select the desired volume and lock the indicator.

- Volume lock feature allows selecting the desired volume and locking the indicator to achieve a more reliable pipetting experience.
- Locking feature prevents accidental volume changes during pipetting procedures.
- Simply slide the button to the upper position to lock or lower to release.

Highlights

Autoclaving

Guaranteed autoclaving without risk of re-calibration

- Durable PP/PVDFI, anodized aluminum and stainless steel body construction and stainless steel springs enable easy and practical autoclaving.
- Take off the volume control knob and the main body can be fully autoclaved at 121 C | 0,1 MPa | 20 min.
- Unlike other so called "autoclavable pipettes" requires almost no re-calibration after sterilization process.



Catalog number	Technical specification of volume knobs	Colour code
02-FE-1	1µl fixed volume controller knob for 0.2 - 2µl pipette	Violet
02-FE-2	2µl fixed volume controller knob for 0.2 - 2µl pipette	Violet
10-FE-5	5µl fixed volume controller knob for 0.5 - 10µl pipette	White
10-FE-10	10µl fixed volume controller knob for 0.5 - 10µl pipette	White
20-FE-10	10µl fixed volume controller knob for 2 - 20µl pipette	Grey
20-FE-20	20µl fixed volume controller knob for 2 - 20µl pipette	Grey
50-FE-20	20µl fixed volume controller knob for 5 - 50µl pipette	Red
50-FE-25	25µl fixed volume controller knob for 5 - 50µl pipette	Red
50-FE-50	50µl fixed volume controller knob for 5 - 50µl pipette	Red
100-FE-30	30µl fixed volume controller knob for 10 - 100µl pipette	Orange
100-FE-50	50µl fixed volume controller knob for 10 - 100µl pipette	Orange
100-FE-100	100µl fixed volume controller knob for 10 - 100µl pipette	Orange
200-FE-100	100µl fixed volume controller knob for 20 - 200µl pipette	Yellow
200-FE-200	200µl fixed volume controller knob for 20 - 200µl pipette	Yellow
300-FE-300	300µl fixed volume controller knob for 30 - 300µl pipette	Black
1000-FE-500	500µl fixed volume controller knob for 100 - 1000µl pipette	Blue
1000-FE-1000	1000µl fixed volume controller knob for 100 - 1000µl pipette	Blue