

# Thermo Scientific Finnpipette® Dispenser



Proven uncompromised quality

## Thermo Scientific Finnpiquette Dispenser unit for perfect measuring

Are you looking for a simple-to-use unit of the highest top quality which offers consistently reliable measuring results and a high degree of user comfort? Thermo Scientific Finnpiquette Dispenser enables the realization of simple, rapid dispensing with sure results and is equipped with the unique combination of a ceramic piston, graduated gauge, and digital volumetric adjustment device.

- **Consistent:**

ceramic piston, dimensional stability and functional safety for the entire service life

- **High precision:**

consistent volumetric delivery and absolute reproducibility, due to a graduated gauge and digital engaging volumetric adjustment device, calibrated for a lifetime

- **Precise:**

rapid volumetric adjustment

- **Comprehensive:**

from 0.2 ml to 60 ml

- **High quality:**

medium-conveying components exhibit the highest degree of chemical and thermal resistance

- **Ergonomic:**

sure-grip operation and simple, consistently accurate volumetric adjustment

- **Professional:**

user-independent and consistent volumetric delivery

- **Safe:**

individual certificate of quality with conformity declaration

- **User friendly:**

the complete unit can be sterilised with steam at 121° C without dismantling. Valves can be detached in a second

- **Perfection of detail:**

Closure cap for dispensing head, threaded suction hose





### Consistent

The ceramic piston is manufactured from extremely hard, maximum-purity aluminium oxide ceramic and inserted into the DURAN® glass cylinder with micrometer accuracy, forming a complete seal.



### Ergonomic perfection

Attention to detail, both during aspirating and dispensing the medium, is supported by the ergonomically designed handle, enabling safe and fatigue-free working.



### Precision replaces visual assessment

The digital engaging volumetric adjustment device ensures rapid, consistent, and totally reliable setting of the desired volume.



### Tailored results with the suction hose

Perfection, right down to the last detail. The sturdy suction hose is not simply pushed onto the receiver, but rather twisted firmly to the unit. This prevents the formation of air bubbles during the suction.



### Absolute reproducibility

The graduated gauge means that perfect reproducibility is ensured during work. A volume which has already been selected can be reset and is always identical to the previous setting. Recalibration is absolutely unnecessary.

### Thermo Scientific Finnpiquette Dispenser technical specifications

Volume selection	with micro-engaging adjustment ring, accurate and reproducible, due to the mechanical-digital principle; adjustment steps with 0.05 to 1ml resolution (depending on the model)
Volumetric accuracy	precise and reproducible with an absolute accuracy („R“) of 0.5% and a standard deviation („CV“) of 0.1%
Piston	practically inert and wear-resistant, manufactured from ceramic with 99.7% purity Al <sub>2</sub> O <sub>3</sub>
Cylinder	practically inert and wear-resistant, manufactured from calibrated DURAN® glass
Valves	practically inert and wear-resistant, the ball and seat manufactured from borosilicate glass, the ejector valve spring manufactured from Hastelloy. Valves can be easily mounted and replaced using an assembly wrench (included in delivery)
Plastic parts	of all components in contact with the medium are manufactured from highly resistant fluoropolymers: the valve housing is manufactured from ECTFE, the suction hose and ejector hose from FEP
Sterilization	Completely sterilizable with steam at 121°C, including ejector unit
Protection against breakage	provided by a completely enclosed plastic casing with a transparent viewing window
Test report	for each individual unit examination, certified, and including an individual unit number

### Content of the package

- Finnpiquette Dispenser, suitable for A32 thread
- Suction hose, assembly wrench and individual certificate of quality
- A 28, S 40 and A 45 threaded adapters for Finnpiquette Dispenser

### Thermo Scientific Finnpiquette Dispenser ordering information

Cat.no	Volume range	Volume µl	Inaccuracy		Imprecision	
			±µl	±%	µl	%
4421120	0.2-1.0 ml	1000	6.0	0.6	2.0	0.2
		500	6.0	1.2	2.0	0.4
		200	6.0	3.0	2.0	1.0
4421130	0.4-2.0 ml	2000	12.0	0.6	4.0	0.2
		1000	12.0	1.2	4.0	0.4
		400	12.0	3.0	4.0	1.0
4421140	1.0-5.0 ml	5000	30.0	0.6	10.0	0.2
		2500	30.0	1.2	10.0	0.4
		1000	30.0	3.0	10.0	1.0
4421150	2.0-10.0 ml	10000	60.0	0.6	20.0	0.2
		5000	60.0	1.2	20.0	0.4
		2000	60.0	3.0	20.0	1.0
4421160	5.0-30.0 ml	30000	180.0	0.6	60.0	0.2
		15000	180.0	1.2	60.0	0.4
		5000	180.0	3.6	60.0	1.2
4421170	10.0-60.0 ml	60000	360.0	0.6	120.0	0.2
		30000	360.0	1.2	120.0	0.4
		10000	360.0	3.6	120.0	1.2

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[www.thermo.com/finnpiquette](http://www.thermo.com/finnpiquette)

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