

Agrosta®Lab Pump

Peristaltic pump with temperature regulation



Agrosta®Lab Pump

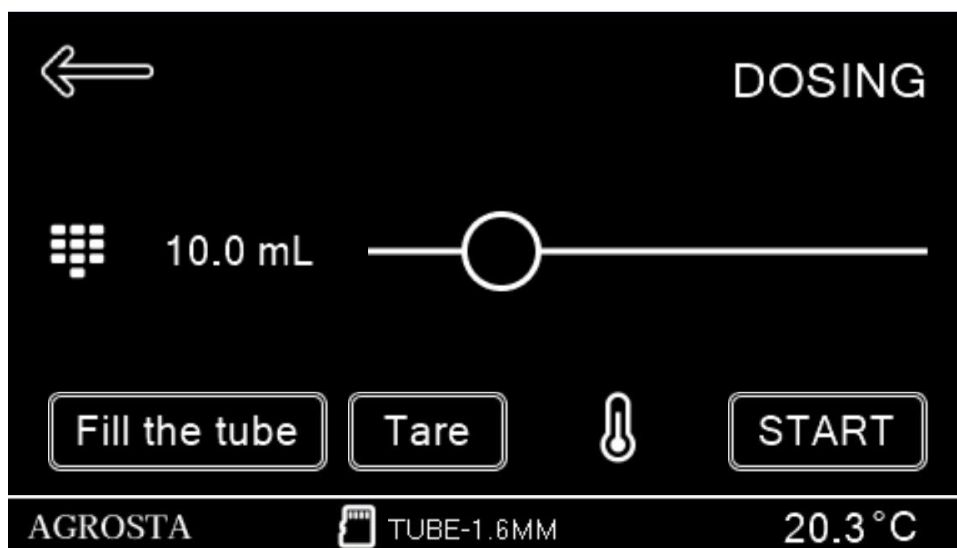
For laboratory, dialysis device, automatic samplers, chemistry, medical biology, microbiology, food, pharmacy, cosmetic, culture media preparation and more...



For laboratories:

Our Peristaltic dispensing pump is design to be an accurate and reliable measuring solution for laboratories. This dispensing pump has 3 dispensing modes:

- **DOSING-MODE** with adjustable volume.

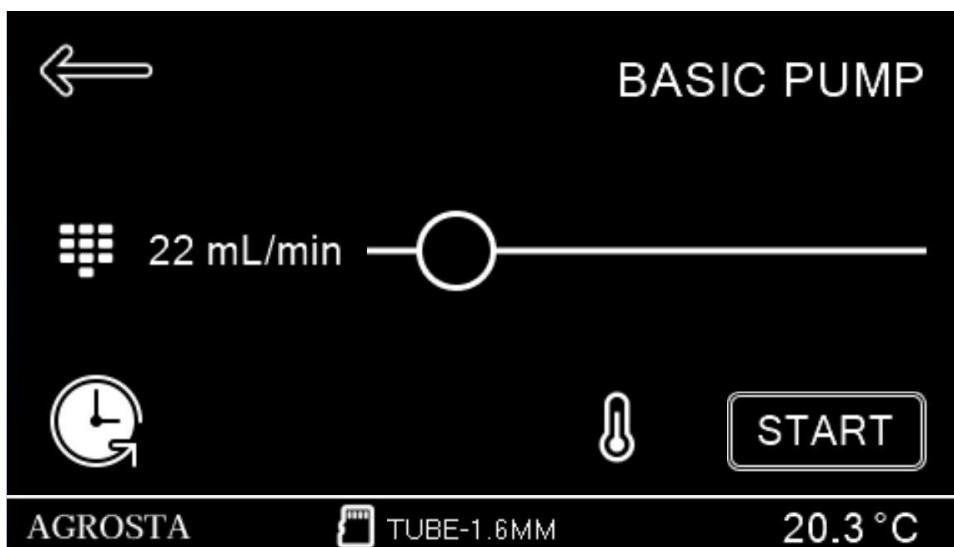


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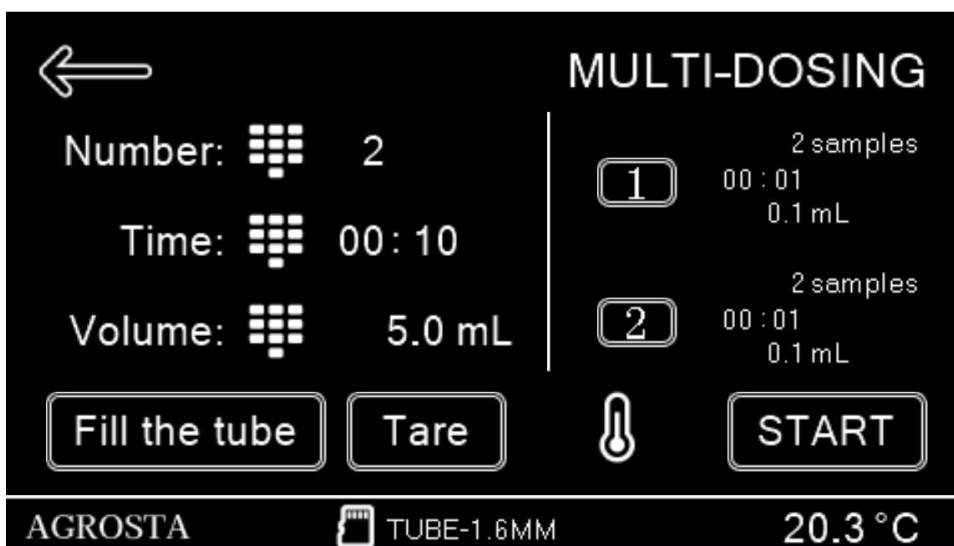
Peristaltic pump with temperature regulation



- **BASIC PUMP** with adjustable flow rate and duration.



- **MULTI-DOSING** with adjustable numbers of samples, volume and time between samples.



Control and accuracy:

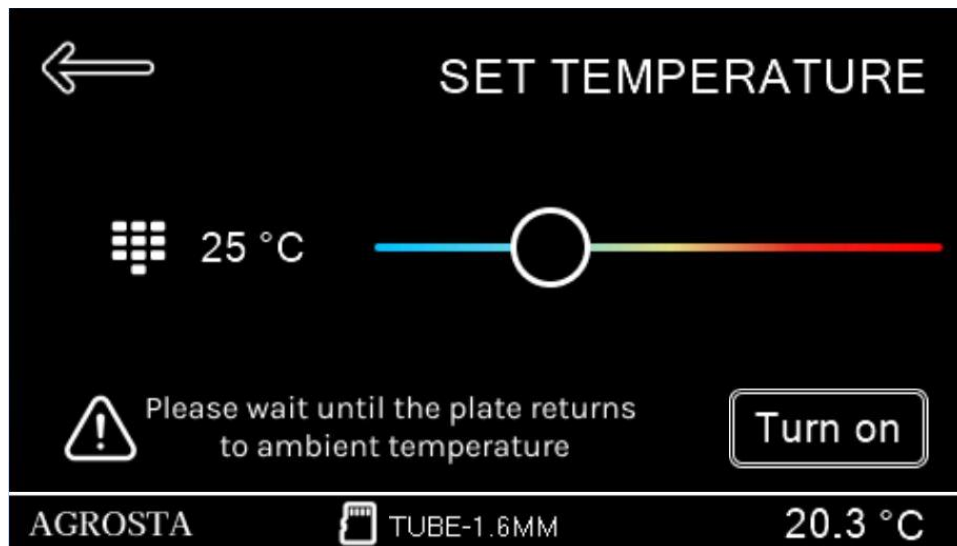
Our pump is equipped with a latest generation pump head which allows rapid tubing loading, stainless steel 6 rollers for extreme durability and lower pulses, self-adapt to different tube sizes.

Accuracy with a \varnothing 3.2mm tubing	
9 mL	18 mL
0.5%	0.3%

This peristaltic pump easily calibrates and offers unlimited number of calibrations to adapt to any configuration.

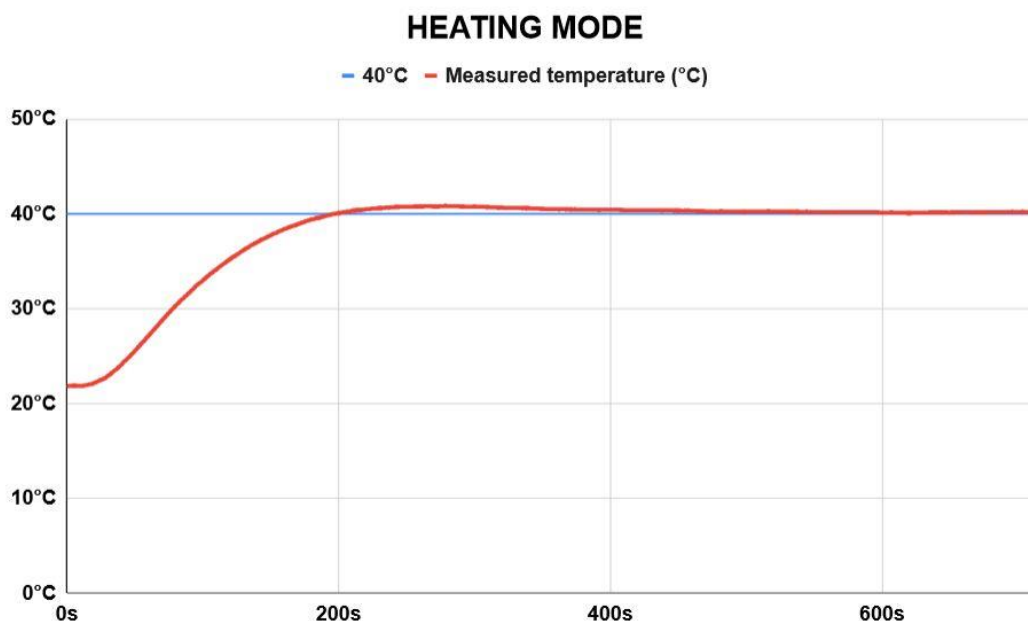
Heating – Cooling block:

This pump is equipped with a Heating-Cooling block (Peltier cell) which is a very effective instrument of sample preparation during enzyme reactions, hybridization reactions, DNA analysis.



This block is regulated by a PID guaranteeing a rapid change of temperature without overshooting to ensure that your sample stays in its temperature range.

When cooling, the whole structure of the pump becomes a little hot, this is normal because the cooling process is generating heat (Like the bottom of a fridge)

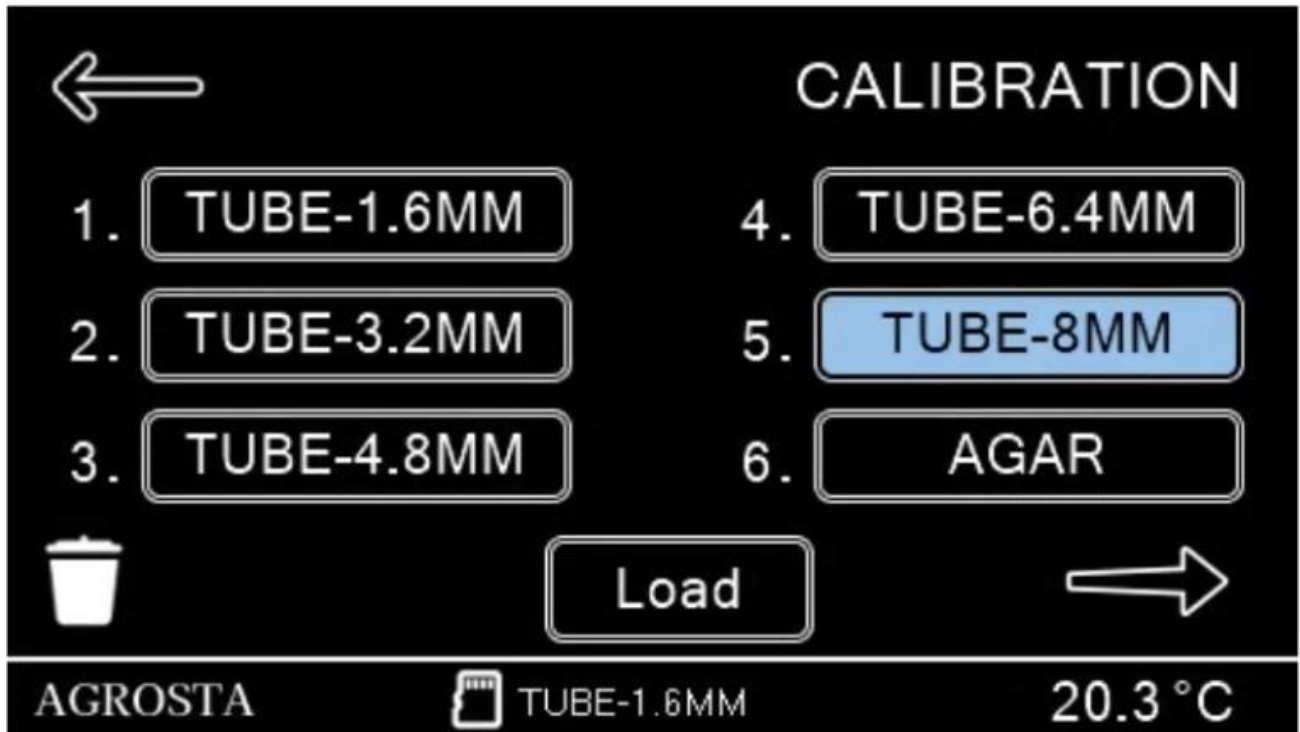


GENERAL SPECIFICATIONS	
Temperature modes	Cooling / Heating
Dispensing modes	Multi-dosing / Dosing / Constant flow rate
Power	250V – 100W
Fuse	10A 250V
Weight	3Kg
Dimension	185mm*180mm*140mm (without the pump head)
Rollers	6 (low liquid pulse)
Tubes (external diameter in mm)	From 3mm to 10mm
Supplied tube	Pharmed BPT (life time >1000h)
Pressure rating	Up to 3 bar
Max DB	65db
Calibration	Unlimited data
Guarantee	2 years full guarantee
Custom design/software	In option
DOSING SPECIFICATIONS	
Speed	170RPM
Flow rate	From 0mL/min to 300mL/min (depend on tube diameter)
Volume	From 0mL to 1L
MULTI DOSING SPECIFICATIONS	
Personalized programs	2
Speed	170RPM
Flow rate	From 0mL/min to 300mL/min (depend on tube diameter)
Volume	From 0mL to 1L
Samples	From 2 to 99
Pause time	From 1s to 60min
CONSTANT FLOW RATE	
Speed range	From 5RPM to 170RPM
Dispensing time	From 1s to endless
TEMPERATURE CONTROL	
Temperature range	-10°C to 60°C
Temperature accuracy	±0.5°C
Heating power	≈ 90W



Profile storage:

You can store and load many profiles according to different characteristics: Viscosity of the liquids, size of the tube used etc...



For setting new profiles, click on CALIBRATION in the HOME menu, click on “New Setup”, give a name to your setup, start pumping a pre-defined volume, and enter the real volume after dosing

Whenever you want, in the pumping modes:

- Click on the TARE button to start pumping continuously – Click again on TARE to stop, and compare the measured volume with the real volume
- Click on the name of the profile at the bottom of the screen in order to load another profile