

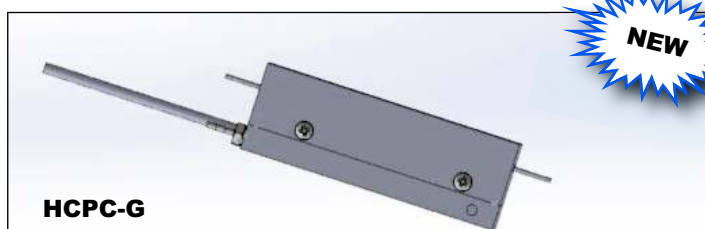


Heating/Cooling Perfusion Cube

ALA's Heating/Cooling Perfusion Cubes (HCPC & HCPC-G) feature compact size, small internal volume, efficient power demand, inert material, and light weight. HCPC's are ideal for

HCPC Features:

- small footprint
- polyimide output tip
- flow rates up to 5ml/min HCPC
- flow rates up to 10ml/min HCPC-G
- low adjustable internal volume
- flexible cable with DIN connector
- built-in temperature sensor in flow path
- compatible w/ALA HCT Controllers & npi PTC controllers
- internal wetted surface is ceramic coated
- low dead volume adjustable from 100-200 μ l
- fast temperature change at 1° C/sec



Ordering Information for Cubes

HCPC	Heating/Cooling Perfusion Cube with built-in sensor (small volume)
HCPC-G	High flow rate Heating/Cooling Perfusion Cube with built-in sensor (small volume)
MHOLD-HCPC	HCPC magnetic stand holder

HCPC/HCPC-G

use on a microscope stage. HCPC's are an essential component for heating and cooling flowing liquids during electrophysiology and imaging studies.



Specifications		
	HCPC	HCPC-G
Weight	90g with cable	110g with cable
Cable Length	1.2m	1.2m
Connector	8 pin DIN	8 pin DIN
Dimensions	16x20x67 mm	80x26x18 mm
Thermistor	2252 Ω at 25°C	2252 Ω at 25°C
Max. Power	7Volts/3 Amps	12Volts/2.5Amps
Peltier element	Max output: 21 Watts	Max output: 42 watts
Volume	~200 μ l, adjustable to 100 μ l	250 μ l
Max. Temperature	60°C; Min. Temp: .5°C	60°C; Min. Temp: .5°C
Flow Rate	max: ~5ml/min at 1m height gravity feed, adjustable down to 0.5ml/min	max: ~10ml/min at 1m height gravity feed, adjustable down to 0.5ml/min

Coolit

Liquid Cooling Circulator

ALA Scientific's Coolit is a rapid low-noise heat sink for ALA's heating and cooling devices.

Key features of the Coolit include:

- Manual pump speed adjustment
- Variable temperature alarms
- Automatic or manual radiator fan speed adjustment



Specifications

Material	Aluminum Chassis & radiator, Acrylic, ABS
Dimensions	7.7"/19.5cm x 3.35"/8.5cm x 16.34"/ 41.5cm
Weight	4.8lbs (2.2kg)

Ordering Information

COOLIT	Liquid Cooling Circulator
--------	---------------------------



Scientific
Instruments

Web: www.alascience.com

E-Mail: sales@alascience.com