



**BIO·CHEM**  
FLUIDICS

[www.biochemfluidics.com](http://www.biochemfluidics.com)

CE

**The MAESTRO PISTON  
PUMP from BIO-CHEM**

Product Brochure

## Raising the Bar

The Maestro Piston Pump has been tested under demanding real-world conditions to exacting specifications. Bio-Chem demands high performance from itself and its products. The Maestro line embodies excellence and sets the new standard for dispense pumps.

The Maestro is the most feature rich, accurate, longest lasting piston dispense pump in existence. It is ideal for IVD, and similar low pressure applications. These pumps have been designed and validated to deliver double the life of any dispense pump available on the market today.

## Maestro Superiority

Comparison of Maestro and 2 Common Competitive Pumps		Maestro	Competitor A	Competitor B
Pump Head	Acrylic	•	•	•
	PEEK	•	•	•
	Ultem®	•	•	
Piston	Zirconia Ceramic	•	•	•
	PEEK	✓		
Seal Ring	UHWM-PE	•	•	•
	Viton O-ring	•	•	
Lead Screw Pitch	20	•	•	•
	30	✓		
	40	•	•	
Pump Life	10 Million Cycles with Distilled Water	✓		
	5 Million Cycles with NaOH or Similar	✓		

## Basic Specifications

**Dispense Volumes (µl):** 50, 100, 250, 500, 1000, 2500, 5000

**Accuracy:** ~ 99.5%

**Precision:** < 0.2% CV

**Full Stroke:** 12.7mm

## Configurable Options

- Integrated 3-Way Valve
- Flushed Seal Port
- Manifold Integration
- RS-232, RS-485 or CAN

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