



The MAESTRO PISTON
PUMP from BIO-CHEM

Product Brochure



**CHROMATOGRAPHIC
SPECIALTIES INC.**

www.chromspec.com

1-800-267-8103 • sales@chromspec.com • tech@chromspec.com



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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