

NEW! Next Generation Pumps Replaces Chrom Tech Legacy Pumps

TECH TIP

Pump accessory kit shipped with all pumps includes:

- 1/8" OD PTFE tubing (36" length)
- 20 µm inlet filter, 1/8" and 1/16" outlet fittings (unless otherwise indicated)

Outlet tubing sold separately:

- 1/16" OD PEEK tubing/1/16" OD SS tubing

M1 CLASS



MXT CLASS



LST CLASS



| REPLACES | Series I, ISO-100 | Series I+, ISO-100+ | Series III, ISO-2000 |
|-------------------------------------|----------------------------------|----------------------------------|--|
| Max flow rate/pressure | 10 mL/2,000 PSI 40 mL/500 PSI | 10 mL/5,000 PSI 40 mL/900 PSI | 5 mL/6,000 PSI 10 mL/6,000 PSI 40 mL/1,600 PSI |
| Page | 2 | 3 | 4 |
| FEATURES | | | |
| 3 year warranty | ● | ● | ● |
| SINGLE PISTON isocratic pump | ● | ● | ● |
| Simple keypad control, LED display | ● | ● | ● |
| Self-flushing pump heads | ● | ● | ● |
| Pulse dampener | | ● | ● |
| Prime purge valve | | ● | ● |
| Real-time pressure monitoring | | ● | ● |
| Set upper and lower pressure limits | | ● | ● |
| Drip tray and leak sensor | | ● | ● |

TECH TIP

We recommend pump maintenance every year or 1,000 hours of use.

LD CLASS



PR CLASS



CP CLASS



HF CLASS



| REPLACES | Dual Piston, 1500 Series | Prep 100, Prep 300 | Constant Pressure | |
|-------------------------------------|--|--------------------------------------|---|--------|
| Max flow rate/pressure | 12 mL/6,000 PSI 36 mL/6,000 PSI 100 mL/1,000 PSI | 100 mL/4,000 PSI 300 mL/1,000 PSI | 5 mL/25,000 PSI 12 mL/18,000 PSI 24 mL/10,000 PSI 100 mL/5,000 PSI 300 mL/1,000 PSI | 300 mL |
| Page | 5 | 5 | 6 | 7 |
| FEATURES | | | | |
| 3 year warranty | ● | ● | ● | ● |
| DUAL PISTON isocratic pump | ● | ● | ● | ● |
| Simple keypad control, LED display | ● | ● | ● | ● |
| Self-flushing pump heads | ● | ● | ● | ● |
| Pulse dampener | ● | ● | ● | ● |
| Prime purge valve | ● | ● | ● | ● |
| Real-time pressure monitoring | ● | ● | ● | ● |
| Set upper and lower pressure limits | ● | ● | ● | ● |
| Drip tray and leak sensor | ● | ● | ● | |

Low Profile Single Piston Isocratic Pump | M1 Class

- Self-flushing pump head
- Stainless steel or PEEK fluid path
- Simple keypad controls, LED display
- Single piston
- Electronic rapid refill mechanism
- Motor stall detector
- 3 year warranty

The compact M1 Class consists of single-headed, positive displacement piston pumps that deliver high-performance and precision at an affordable price. Applications include precise chemical metering, dispensing, and specific HPLC separation. Having the smallest possible footprint for a high pressure pump, the M1 Class will easily integrate into any laboratory or industrial environment.



Replaces Series I, ISO-100



| SPECIFICATIONS | | |
|-------------------------------|---|----------------|
| Flow Accuracy | Within 2% of set flow rate* Within 5% of set flow rate* | 10 mL 40 mL |
| Flow Precision | 1.0% RSD | |
| Wetted Materials | Synthetic Ruby, Sapphire, UHMWPE, PTFE | |
| Dimensions (h x w x d) | 5.5" x 3" x 10.5" (14 x 8 x 27 cm) | |
| Weight | 3.5 lbs (1.6 kg) | |
| Power | To Supply: 100-240 VAC, 50-60 Hz, 1A Supply to Pump: 24VDC, center positive, 2.1 mm post, 1.6 AMP | |
| Control | Micro USB Port with RS-232 communication, Run/Stop | |

*Flow rate range for flow accuracy specification:
10 mL—0.20 mL/min and above; 80:20 Water/IPA at 1,000 PSI
40 mL—0.80 mL/min and above; 80:20 Water/IPA at 100 PSI

| ORDERING INFORMATION | | | | | |
|----------------------|-----------|--------------------|----------|----------------|-----------|
| PART NO | SEAL TYPE | FLOW RATE (mL/min) | MATERIAL | PRESSURE (PSI) | PUMP HEAD |
| P-M110S | standard | 10.00 | SS | 2,000 | MM |
| P-M110B | standard | 10.00 | PEEK | 2,000 | MM |
| P-M140S | standard | 40.0 | SS | 500 | MH |
| M1 FLASH PUMP | | | | | |
| P-M1FS-8 | standard | 100 mL/min | SS | 250 | |

Flow Rate is dependent on solvent selection and operating pressure



Clarity Software Compatible

TECH TIP

Standard vs Organic Seals

The standard seal is made of (UHMW-PE) Ultra High Molecular Weight Polyethylene for use with aqueous fluids. The organic seal is made of graphite-filled PTFE for use with harsh chemicals.

TECH TIP

The recommended minimum back pressure is 200 PSI for optimum pump performance. If your application will not provide adequate back pressure, adding restrictive tubing to the outlet of the pump is recommended.

| REPLACEMENT PARTS | MM HEAD | | MH HEAD | FLASH PUMP |
|---------------------------------------|----------------|----------------|----------------|-------------------|
| | P-M110S | P-M110B | P-M140S | P-M1FS-8 |
| Piston Seal Kit*, Standard | P-1095 | 880272 | P-1096 | P-1199 |
| Piston Seal Kit*, Organic | P-0109 | P-1099B | P-3009 | — |
| Check Valve Kit, Inlet & Outlet | P-1085 | P-1086 | P-1085 | 880764**** |
| Repl Check Valve Capsules, 10/pk | P-1075 | P-1076 | P-1075 | — |
| Self-Flush Assembly | P-1082 | P-1088 | P-1081 | ? |
| Replacement Piston | P-0101 | P-0101 | P-1298 | P-1157 |
| Inlet Filter Assy (Fitting & Element) | 06-0110 | 06-0110 | 06-0110 | 06-0110 |
| Repl Inlet Filter Elements, 2/pk | P-1170 | P-1170 | P-1170 | P-1170 |

*Seal Kits include: Self-flush seal, O-Ring, Primary Seal, and Removal Tool

Single Piston Isocratic Pump | MXT Class

- ➔ Pressure monitoring with automatic pressure compensation
- ➔ Self-flushing pump heads and Integrated prime-purge valve
- ➔ Set upper and lower pressure limits
- ➔ Pulse dampener
- ➔ Stainless steel fluid path
- ➔ Simple keypad controls, LED display
- ➔ Leak sensor on drip tray
- ➔ Micro USB with RS-232 communication
- ➔ RJ11 with RS-232 communication
- ➔ Voltage control
- ➔ 3 year warranty
- ➔ MXT-MS Applications include
 - Flow Injection Analysis
 - Infusion
 - Cone Wash



MXT Replaces
Series 1+, ISO-100+



Clarity Software Compatible

SPECIFICATIONS

| | | |
|-------------------------------|--|----------------|
| Flow Accuracy | Within 2% of set flow rate* Within 5% of set flow rate* | 10 mL 40 mL |
| Pressure Accuracy | ± 2% of full scale pressure | |
| Flow Precision | 0.5% RSD | |
| Wetted Materials | Synthetic Ruby, Sapphire, UHMWPE, PTFE | |
| Dimensions (h x w x d) | 6.5" x 7" x 16" (17 x 18 x 41 cm) | |
| Weight | 15.3 lbs (6.9 kg) | |
| Power | 100-240 VAC, (± 10%), 50-60 Hz | |
| Control | RS-232, Micro USB, Voltage Flow Control, Run/Stop (ML Class: Micro USB & Run/Stop) | |

*Flow rate range for flow accuracy specification:
10 mL—0.20 mL/min and above; 80:20 Water/IPA at 1,000 PSI
40 mL—0.80 mL/min and above; 80:20 Water/IPA at 100 PSI

MXT ORDERING INFORMATION

| PART NO | FLOW RATE (mL/min) | MATERIAL | PRESSURE (PSI) | PUMP HEAD |
|-----------------|--------------------|----------|----------------|-----------|
| P-MXT10S | 10.00 | SS | 5,000 | MM |

Flow Rate is dependent on solvent selection and operating pressure

REPLACEMENT PARTS

MM HEAD

| | P-MXT10S |
|---------------------------------------|----------------|
| Piston Seal Kit*, Standard | P-1095 |
| Piston Seal Kit*, Organic | P-0109 |
| Check Valve Kit, Inlet & Outlet | P-1085 |
| Repl Check Valve Capsules, 10/pk | P-1075 |
| Self-Flush Assembly | P-1082 |
| Replacement Piston | P-0101 |
| Inlet Filter Assy (Fitting & Element) | 06-0110 |
| Repl Inlet Filter Elements, 2/pk | P-1170 |
| Repl Outlet Filter Elements, 2/pk | P-1175 |
| Pulse Dampener Rebuild Kit | P-1063 |

*Seal Kits include: Self-flush seal, O-Ring, Primary Seal, and Removal Tool

Single Piston High Performance Isocratic Pump | LST Class

- Pulse dampener
- Self-flushing pump heads and prime purge valve
- Stainless steel or PEEK fluid path
- Simple front panel keypad controls with LED display
- Real-time pressure monitoring
- Set upper and lower pressure limits
- Drip tray and leak sensor
- Micro USB with RS-232 communication
- RJ11 with RS-232 communication
- Voltage control
- 3 year warranty



LS Replaces
Series II, ISO-1000
LST Replaces
Series III, ISO-2000

LST model



Clarity Software Compatible

The reliable LST Class consists of single-headed positive displacement piston pumps incorporating advanced cam designs for very low pulsation. With micro-stepping motor technology and a proven single-piston pump mechanism, the LST Class exceeds the performance of more expensive units at a fraction of the cost. The pumps are ideal for a wide variety of HPLC applications (including biocompatible separations), semi-prep LC, metering & dispensing, and general lab use.

| SPECIFICATIONS | |
|-------------------------------|---|
| Flow Accuracy | Within 2% of set flow rate* |
| Pulsation | ≤ 2% at 1 mL/min and 1,000 PSI |
| Pressure Accuracy | ± 2% of full scale pressure |
| Flow Precision | 0.2% RSD |
| Wetted Materials | Synthetic Ruby, Sapphire, UHMWPE, PTFE |
| Dimensions (h x w x d) | 6.5" x 7" x 16" (16.5 x 18 x 41 cm) |
| Weight | 15 lbs (7 kg) |
| Power | 100-240 VAC (± 10%), 50-60 Hz |
| Control | RS-232, Micro USB, Voltage Flow Control, Run/Stop (LL Class: Micro USB & Run/Stop) |

*Flow rate range for flow accuracy specification:
5 mL and 10 mL—0.20 mL/min and above; 80:20 Water/IPA at 1,000 PSI
40 mL—0.80 mL/min and above; 80:20 Water/IPA at 100 PSI

| ORDERING INFORMATION | | | | |
|----------------------|--------------------|----------|----------------|-----------|
| PART NO | FLOW RATE (mL/min) | MATERIAL | PRESSURE (PSI) | PUMP HEAD |
| P-LST05S | 5.000 | SS | 6,000 | L |
| P-LST05B | 5.000 | PEEK | 6,000 | L |
| P-LST10S | 10.00 | SS | 6,000 | M |
| P-LST10B | 10.00 | PEEK | 6,000 | M |
| P-LST40S | 40.0 | SS | 1,600 | H |
| P-LST40B | 40.0 | PEEK | 1,600 | H |

Flow Rate is dependent on solvent selection and operating pressure

TECH TIP

The recommended minimum back pressure is 200 PSI for optimum pump performance. If your application will not provide adequate back pressure, adding restrictive tubing to the outlet of the pump is recommended.

| REPLACEMENT PARTS | L HEAD | | M HEAD | | H HEAD | |
|---------------------------------------|----------|-------------|----------|-------------|----------|-------------|
| | P-LST05S | P-LST05B | P-LST10S | P-LST10B | P-LST40S | P-LST40B |
| Piston Seal Kit*, Standard | P-1595 | P-1595B | P-1095 | 880272 | P-1096 | P-1096B |
| Piston Seal Kit*, Organic | P-1596 | — | P-0109 | P-1099B | P-3009 | 890283 |
| Check Valve Kit, Inlet & Outlet | P-1085 | P-1086 | P-1085 | P-1086 | P-1085 | P-1086 |
| Repl Check Valve Capsules, 10/pk | P-1075 | P-1076 | P-1075 | P-1076 | P-1075 | P-1076 |
| Self-Flush Check Valve Kit | P-1084 | P-1084 | P-1084 | P-1084 | P-1084 | P-1084 |
| Replacement Piston | P-1597 | P-1597 | P-1097 | P-1097 | P-1198 | P-1198 |
| Inlet Filter Assy (Fitting & Element) | 06-0110 | 06-0110 | 06-0110 | 06-0110 | 06-0110 | 06-0110 |
| Repl Inlet Filter Elements, 2/pk | P-1170 | P-1170 | P-1170 | P-1170 | P-1170 | P-1170 |
| Repl Outlet Filter Elements, 2/pk | P-1175 | P-1171 (ea) | P-1175 | P-1171 (ea) | P-1175 | P-1171 (ea) |
| Pulse Dampener Rebuild Kit | P-1063 | P-1063 | P-1063 | P-1063 | P-1063 | P-1063 |

*Seal Kits include: Self-flush seal, O-Ring, Primary Seal, and Removal Tool

Dual Piston Isocratic Pump | LD & PR Class

- ➔ Autoprime™ one button toggles flowrate to maximum for rapid solvent change
- ➔ Real-time pressure monitoring with upper and lower pressure limits
- ➔ Drip tray and leak sensor
- ➔ Pulse dampener
- ➔ Self-flushing pump heads and prime purge valve
- ➔ Stainless steel or PEEK fluid path
- ➔ Simple front panel keypad controls with LED display
- ➔ 3 year warranty



LD Replaces
Dual Piston, 1500 Series
PR Replaces
Prep 100, Prep 300



Clarity Software Compatible



SPECIFICATIONS

| | | |
|-------------------------------|---|--|
| Flow Accuracy | Within 2% of set flow rate* Within 2% of set flow rate* Within 2% of set flow rate* Within 3% of set flow rate* Within 4% of set flow rate* | LD 12 LD 36 LD 100 PR 100 PR 300 |
| Pulsation | ≤ 0.5% at 1 mL/min and 1,000 PSI ≤ 2% at 1 mL/min and 1,000 PSI ≤ 4% at 50 mL/min and 250 PSI ≤ 4% at 50 mL/min and 500 PSI ≤ 4% at 50 mL/min and 500 PSI | LD 12 LD 36 LD 100 PR 100 PR 300 |
| Pressure Accuracy | ± 2% of full scale pressure | |
| Flow Precision | 0.2% RSD (12 mL) 0.5% RSD (36 mL, 100 mL, 300 mL) | |
| Wetted Materials | Synthetic Ruby, Sapphire, UHMWPE, PTFE, Ceramic | |
| Dimensions (h x w x d) | 6.5" x 10" x 17" (16 x 25 x 43 cm) | |
| Weight | 30 lbs (14 kg) | |
| Power | 100-240 VAC (± 10%), 50-60 Hz | |
| Control | RS-232, Micro USB, Voltage Flow Control, Run/Stop | |

*Flow rate range for flow accuracy specification:
LD 12—0.200 mL/min and above; 80:20 Water/IPA at 1,000 PSI
LD 36—0.80 mL/min and above; 80:20 Water/IPA at 1,000 PSI
LD 100—2.0 mL/min and above; 80:20 Water/IPA at 1,000 PSI
PR 100—2.0 mL/min and above; 80:20 Water/IPA at 1,000 PSI
PR-300—5.0 mL/min and above; 80:20 Water/IPA at 100 PSI

ORDERING INFORMATION

| PART NO | FLOW RATE (mL/min) | MATERIAL | PRESSURE (PSI) | PUMP HEAD | TUBING OUTLET |
|-------------|--------------------|----------|----------------|-----------|---------------|
| P-LD12S | 12.000 | SS | 6,000 | M | 1/16" OD |
| P-LD12B | 12.000 | PEEK | 6,000 | M | 1/16" OD |
| P-LD36S | 36.000 | SS | 6,000 | M | 1/16" OD |
| P-LD36B | 36.000 | PEEK | 6,000 | M | 1/16" OD |
| P-LD100S | 100.0 | SS | 1,000 | H | 1/8" OD |
| P-LD100B | 100.0 | PEEK | 1,000 | H | 1/8" OD |
| P-PR100S | 100.0 | SS | 4,000 | H | 1/8" OD** |
| P-PR100B | 100.0 | PEEK | 4,000 | H | 1/8" OD** |
| P-PR300S-8* | 300.0 | SS | 1,000 | XH | 1/8" OD** |

*Does not come equipped with pulse dampener. 1/4" OD inlet (vs 1/8" OD).

**Note: no fittings adapter kit included

Flow Rate is dependent on solvent selection and operating pressure

TECH TIP

Dual Piston Pump Maintenance

In order to do maintenance on a dual piston pump, kits are sold per head, quantity two required.

Jacketed Hallestoy Options Available

Contact our technical support team for more information.

REPLACEMENT PARTS

| | M HEAD | | H HEAD | | XH HEAD |
|---------------------------------------|--|--------------------|----------------------|----------------------|----------|
| | P-LD12S P-LD36S | P-LD12B P-LD36B | P-LD100S P-PR100S | P-LD100B P-PR100B | P-PR300S |
| ■ Piston Seal Kit*, Standard | P-1095 | 880272 | P-1096 | P-1096B | P-1795 |
| ■ Piston Seal Kit*, Organic | P-0109 | P-1099B | P-3009 | 890283 | P-1796 |
| ■ Check Valve Kit, Inlet & Outlet | P-1085 | P-1086 | P-1085 | P-1086 | P-1781 |
| Repl Check Valve Capsules, 10/pk | P-1075 | P-1076 | P-1075 | P-1076 | — |
| ■ Self-Flush Check Valve Kit | P-1084 | P-1084 | P-1084 | P-1084 | P-1084 |
| ■ Replacement Piston | P-1097 | P-1097 | P-1198 | P-1198 | P-1797 |
| Inlet Filter Assy (Fitting & Element) | 06-0110 | 06-0110 | 06-0110 | 06-0110 | 06-0110 |
| Repl Inlet Filter Elements, 2/pk | P-1170 | P-1170 | P-1170 | P-1170 | P-1170 |
| Repl Outlet Filter Elements, 2/pk | P-1175 (0.5 µm) ¹ P-1172 (2 µm) ² | P-1171 (ea) | P-1172 | P-1171 (ea) | P-1172 |
| Pulse Dampener Rebuild Kit | P-1063 | P-1063 | P-1063 | P-1063 | P-1063 |

1) 0.5 µm outlet filter element standard with 12 mL pump

2) 2 µm outlet filter element standard with 36 mL pump

*Seal Kits include: Self-flush seal, O-Ring, Primary Seal, and Removal Tool

Constant Pressure Isocratic Pump | CP Class

- ➔ Pressure monitoring with automatic pressure compensation
- ➔ Self-flushing pump heads and integrated prime-purge valve
- ➔ Stainless steel or PEEK fluid path
- ➔ Simple keypad controls, LED display
- ➔ 3 year warranty

The CP Class pumps are widely used for LC Column packing, as well as many process applications. Advanced pressure control algorithms ensure consistent bed density and prevent pressure over-shoot by allowing the user to select a wide range of process parameters, including desired pressure set point, ramp rate, and upper flow rate limit. Control software included. Pressure Control Accuracy is dependent on hydraulic system parameters. Pump automatically adjusts fluid flow to maintain constant system pressure under typical column-packing usage. Pump does not contain an automatic pressure-relief valve.



Replaces Constant Pressure pump



| SPECIFICATIONS | |
|-------------------------------|---|
| Pressure Accuracy | ± 2% of full scale pressure |
| Wetted Materials | Synthetic Ruby, Sapphire, UHMWPE, PTFE, Ceramic |
| Dimensions (h x w x d) | 6.3" x 10" x 17" (16 x 25.5 x 43 cm) |
| Weight | 30 lbs (14 kg) |
| Power | 100-240 VAC, (± 10%), 50-60 Hz |
| Control | RS-232, Micro USB, Voltage Flow Control, Run/Stop |

| ORDERING INFORMATION | | | | |
|----------------------|--------------------|----------|--------------------|-----------------|
| PART NO | FLOW RATE (mL/min) | MATERIAL | MAX PRESSURE (PSI) | PUMP HEAD MODEL |
| P-CPU05S | 5.000 | SS | 25,000 | XUHP* |
| P-CP24S | 24.00 | SS | 10,000 | M |
| P-CP100S-8 | 100.0 | SS | 4,000 | H |

*Flow rate is dependent on solvent selection and operating pressure
Note: no fittings adapter kit included

| REPLACEMENT PARTS | XUHP HEAD | M HEAD | H HEAD |
|---------------------------------------|--------------------|--------------------|----------------|
| | P-CPU05S | P-CP24S | P-CP100S |
| ■ Piston Seal Kit*, Standard | P-1895 | 880272 | P-1096 |
| ■ Piston Seal Kit*, Organic | P-1899 | P-1099 | P-3009 |
| ■ Check Valve Kit, Inlet & Outlet | 890432 | P-1085 | P-1085 |
| Repl Check Valve Capsules, 10/pk | — | P-1075 | P-1075 |
| ■ Self-Flush Check Valve Kit | P-1084 | P-1084 | P-1084 |
| ■ Replacement Piston | P-1897 | P-1097 | P-1198 |
| Inlet Filter Assy (Fitting & Element) | 06-0110 | 06-0110 | 06-0110 |
| Repl Inlet Filter Elements, 2/pk | P-1170 | P-1170 | P-1170 |
| Repl Outlet Filter Elements, 2/pk | P-1175 (ea) | P-1175 (ea) | P-1172 |

*Seal Kits include: Self-flush seal, O-Ring, Primary Seal, and Removal Tool

TECH TIP

Dual Piston Pump Maintenance

In order to do maintenance on a dual piston pump, kits are sold per head, quantity two required.

TECH TIP

Jacketed Hallestoy Options Available

Contact our technical support team for more information.

High Flow Dual Piston Pumps | HF 300

- Up to 300 mL/min and 8,500 PSI
- Dual piston design for precise flow rates and low pulsation
- 3 year warranty
- Ceramic pistons and ruby/sapphire check valves



HF 300 PUMP

| PART NO | MODEL | FLOW RATE | MAX PRESSURE* |
|--------------|---------------|------------------|---------------|
| P-5300CFNF** | Constant flow | 0.1 – 300 mL/min | 10,000 PSI |

*At 220 V, entire power range available. At 110 V, maximum pressure decreases above 250 mL/min.

**Note: no fittings adapter kit included

REPLACEMENT PARTS

| | |
|--------------------------------|--------|
| Piston Seal Kit*, Standard | P-1795 |
| Check Valve Capsules, 4/pk | P-1781 |
| Self-Flush Check Valve Kit | P-1084 |
| Replacement Piston | P-1697 |
| Repl Outlet Filter Element, ea | P-1172 |

*Seal Kits include: Self-flush seal, O-Ring, Primary Seal, and Removal Tool

HF-300 SPECIFICATIONS

| | |
|-----------------------------------|--|
| Flow Accuracy | < 5% of set point (above 5 mL/min, 1,000 PSI) |
| Flow Precision | 0.5% RSD |
| Pulsation | < ± 5.0% from 150 mL/min, 3,000 PSI |
| Dimensions (w x h x d) | 9" x 14" x 22" (22.8 x 35.8 x 55.9 cm) |
| Weight | 50 lbs (22.7 kg) |
| Input | RS-232 |

Super Critical Fluid Pumps | SFC-24

- Self-flushing pump head
- 3 year warranty
- Outlet filter
- All aluminum pump heads (for heat transfer)
- Stainless Steel fluid path (other than pump heads)
- Integrated cooling system using Peltier thermoelectric modules
- In-line electronic pressure transducer

The SFC-24 features integrated cooling systems using Peltier thermoelectric modules. The cooling is fully self-contained within the pump cabinet, eliminating the need for external refrigeration units and the associated piping, coolants, and Freon. Peltier technology is 100% solid state.



SFC-24 PUMP

| PART NO | MODEL | FLOW RATE | MAX PRESSURE |
|--------------|-------------------|------------------|--------------|
| P-2024SFC | Constant pressure | 0.01 – 24 mL/min | 10,000 PSI |
| P-2024SFC-CF | Constant flow | 0.01 – 24 mL/min | 10,000 PSI |

REPLACEMENT PARTS

| | |
|---|--------|
| Piston Seal Kit*, Standard | P-1095 |
| Check Valve Kit, Inlet & Outlet | P-2485 |
| Repl Bulkhead Filter Assembly, ea (Inlet or Outlet) | 050190 |
| Repl Filter Element for Bulkhead Filter, 2/pk | P-1172 |
| Replacement Piston | P-1097 |

*Seal Kits include: Self-flush seal, O-Ring, Primary Seal, and Removal Tool

SPECIFICATIONS

| | |
|-----------------------------------|--|
| Flow Accuracy | ± 5% |
| Pressure Accuracy | ± 2% of full scale pressure |
| Constant Pressure | Pressure monitoring (via transducer) with user-selected upper/lower pressure limits |
| Control Mode | User-selectable pressure point set. Pump flow rate auto-adjusts to maintain pressure |
| Dimensions (h x w x d) | 5.8" x 11.1" x 22.1" (14.6 x 28.3 x 53.7 cm) |
| Weight | 36 lbs (16.3 kg) |
| Input | RS-232 |