

SPECIFICATIONS

| ACTUAL PISTON HEIGHT & POSITION | | | | | | | | | | | |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| % full stroke | 100% | 80% | 50% | 20% | 10% | 6% | 5.6% | 2.5% | 1% | 0.5% | 0.2% |
| Volume in µL | 1,000 | 800 | 500 | 200 | 100 | 60 | 56 | 25 | 10 | 5 | 2 |
| Piston mode | Single | Single | Single | Single | Single | Single | Dual | Dual | Dual | Dual | Dual |
| SD in µL | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| CV % | 0.02% | 0.03% | 0.04% | 0.10% | 0.20% | 0.33% | 0.04% | 0.08% | 0.20% | 0.40% | 1% |
| Resolution µL/step | 1.5486 | 1.5486 | 1.5486 | 1.5486 | 1.5486 | 1.5486 | 0.1686 | 0.1686 | 0.1686 | 0.1686 | 0.1686 |
| Travel in steps | 646 | 517 | 323 | 129 | 65 | 39 | 332 | 148 | 59 | 30 | 12 |
| inches | 0.3100 | 0.2480 | 0.1550 | 0.0620 | 0.0310 | 0.0186 | 0.1594 | 0.0712 | 0.0285 | 0.0142 | 0.0057 |
| mm | 7.87 | 6.30 | 3.94 | 1.57 | 0.79 | 0.47 | 4.05 | 1.81 | 0.72 | 0.36 | 0.14 |
| max. flow µL/sec | 2700 | 2700 | 2700 | 2700 | 2700 | 2700 | 295 | 295 | 295 | 295 | 295 |

Resolution Multiplier: (CV Controller) in Dual Mode is 9. Resolution becomes 9 times smaller when entering Dual mode.

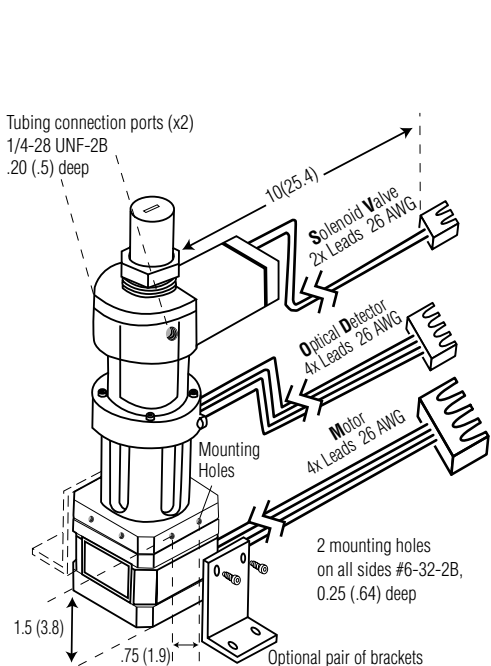
1% CV limits: 1% CV is obtained down to 2 µL in the Dual and 20 µL in the Single piston mode

Accuracy: 99.5% at all volumes (compensated for backlash and evaporation at low volumes)

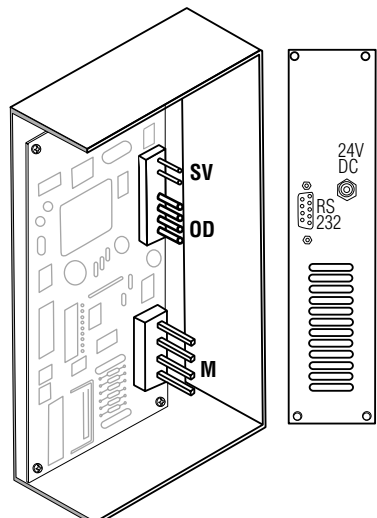
Volume range: Dual piston range up to 56 µL. Single piston range up to 1.0 mL.

Maximum speed: 1,750 steps/second

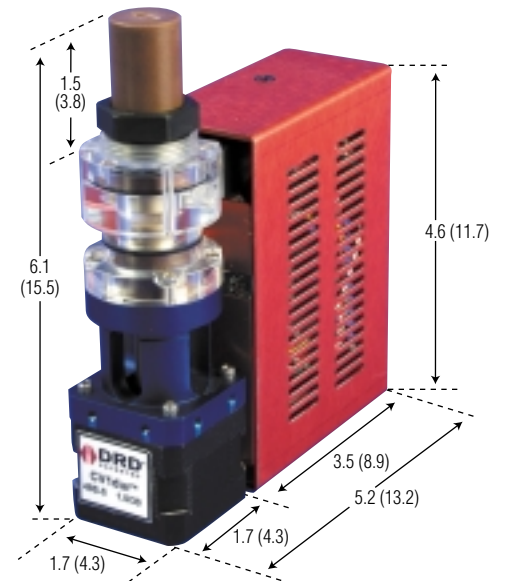
Seal replacement: Typically 1 million cycles.



BARE BONES PUMP
(with optional valve) with 10" wire leash



CONTROL POD
RS-232 Serial, Baud rate 57,600 12-38
Volts @ 2.0 Amps, 50-60 Hz, 110-240
VAC with DC power supply.



COMPLETE PUMP
with electronic Control Pod attached