



PreciFluid Volumetric Dispensing System



Volumetric dispensing system manufacture
www.precifluid.com – contact@precifluid.com

Volumetric Dispenser PreciFluid

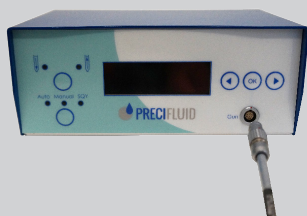
Advantages

- Fully electric, no compressed air
- Easy to set up : choose volume [cc], speed [cc/sec] and Vacuum if needed, than start with dispensing process. Other options are possible
- Available in syringes in 3cc, 5cc, 10cc, 30cc sizes , and more.
- Programmable pullback stops drooling
- All-digital, multi-function multilingual display



Presentation

The linear actuator allows the syringe's piston, directly united, to perform a defined distance. That distance combined to the container or syringe volume characteristics, represents a volume. That displaced volume is perfectly repeatable with greater accuracy than 1%.



Characteristics



DropTips

- From 14G to 32G
- Standard colors
- Free silicone certified



DropTube

- Suitable sizes
- Magnetic stabilization
- Aluminium body



BarrelDrop

- Sizes : 3, 5, 10, 30cc
- U.V. barrier available
- Free silicone certified



PistonDrop

- Metal washer
- Free dripping
- Straight wall



DropGun

The depositing cycle consists in the forward movement of the piston in a defined volume and speed, a parameterized mechanical drawback which performs a backward movement of the piston
PistonDrop.

CHARACTERISTICS

Available for 2.5oz cartridges on request

Magnetic coupling between the piston and the stepper motor screw

Volume minimum 0.06 μ l

Viscosity maximum 500 000 cps

Friendly using

Available for 2.5oz cartridges on request

Programmable sequences

Robust design in anodized aluminum

Weight less than 100 grams

Available in 3 versions : Standard with controller - Integration kit - Electronic card

Gun available : 3, 5, 10cc - 30cc

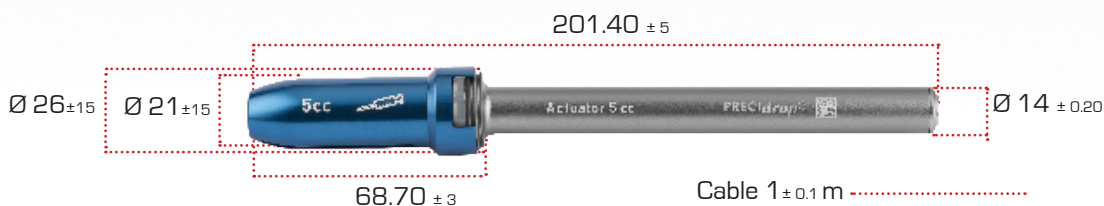
3 CC GUN SPECIFICATIONS



SPECIFICATIONS

Size	3cc
Number of steps per revolution of the motor	20
Ratio of the gearbox	64
Screw size in mm]	1
Forward screw [mm]	40
Linear displacement steps[mm]	0,000781
Section of the syringe [mm ²]	70.88
Usable volume max [cc] 2.84	2.84
Volume by steps [mm ³]	0.055
Volume by steps [cc]	0,000055

5 CC GUN SPECIFICATIONS



SPECIFICATIONS

Size	5cc
Number of steps per revolution of the motor	20
Ratio of the gearbox	64
Screw size in mm]	1
Forward screw [mm]	30
Linear displacement steps[mm]	0,000781
Section of the syringe [mm ²]	124.69
Usable volume max [cc] 2.84	4.11
Volume by steps [mm ³]	0.097
Volume by steps [cc]	0,000097

10 CC GUN SPECIFICATIONS



SPECIFICATIONS

Size	10cc
Number of steps per revolution of the motor	24
Ratio of the gearbox	51.84
Screw size in mm]	3
Forward screw [mm]	50
Linear displacement steps[mm]	0,002411
Section of the syringe [mm ²]	196.07
Usable volume max [cc] 2.84	9.80
Volume by steps [mm ³]	0.473
Volume by steps [cc]	0,000473

30 CC GUN SPECIFICATIONS



SPECIFICATIONS

Size	30cc
Number of steps per revolution of the motor	24
Ratio of the gearbox	75.98
Screw size in mm]	4.24
Forward screw [mm]	70
Linear displacement steps[mm]	0
Section of the syringe [mm ²]	401.15
Usable volume max [cc] 2.84	28.08
Volume by steps [mm ³]	0.933
Volume by steps [cc]	0,000933

CONTROLLER SPECIFICATIONS



SPECIFICATIONS

Dimensions Size L*I*H	205 x 148 x 82
Weight	1,47 Kg
Outer- power supply range of input voltages	110-240V
Maximum inrush current 2A	2A
Range of input frequencies	50-60Hz
Output Voltage	9V
Output Current	1,5A
Output power	13,5W
Control circuit	MSP430
Interface	Numeric keypad
Cycle start signal	Pedal, Command finger switch finger
Cycle signal	Static output