

# PreciFluid Volumetric Dispensing System



Volumetric dispensing system manufacture  
[www.precifluid.com](http://www.precifluid.com) – [contact@precifluid.com](mailto:contact@precifluid.com)

## Volumetric Dispenser PreciFluid

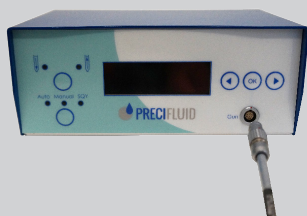
### Advantages

- 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  $\mu$ 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



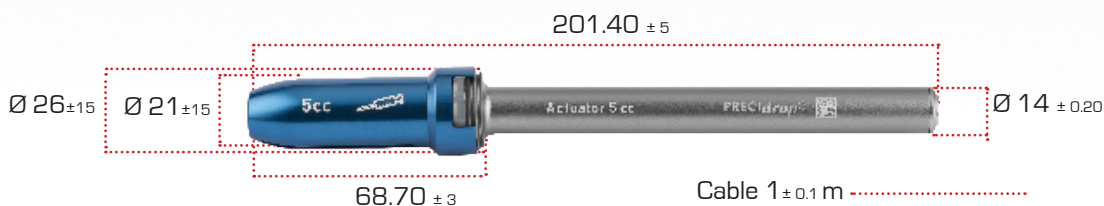
## 3 CC GUN SPECIFICATIONS



## 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 <sup>2</sup> ]	70.88
Usable volume max [cc] 2.84	2.84
Volume by steps [mm <sup>3</sup> ]	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 <sup>2</sup> ]	124.69
Usable volume max [cc] 2.84	4.11
Volume by steps [mm <sup>3</sup> ]	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 <sup>2</sup> ]	196.07
Usable volume max [cc] 2.84	9.80
Volume by steps [mm <sup>3</sup> ]	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 <sup>2</sup> ]	401.15
Usable volume max [cc] 2.84	28.08
Volume by steps [mm <sup>3</sup> ]	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

Exklusive Distributor



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

Germany, Austria & East-Europe:

Epoxy Technology Europe GmbH  
Steinerne Furt 78  
D – 86167 Augsburg  
Tel. +49 821 – 748 720  
Fax: +49 821 – 742 970  
E-Mail:  
[sales\\_de@epotekeurope.com](mailto:sales_de@epotekeurope.com)

Schwiss, Liechtenstein :

Epoxy Technology Europe AG  
Riedstr. 1  
CH – 6330 Cham  
Tel. +41 41 748 10 80  
Fax: +41 41 748 10 89  
E-Mail: [info.ch@epotekeurope.com](mailto:info.ch@epotekeurope.com)

United Kingdom :

Epoxy Technology Europe Ltd.  
6 Woodstock Court Blenheim Road  
UK – Marlborough SN8 4AN  
Tel. +44 1672 – 518 150  
Fax: +44 1672 – 518 159  
E-Mail: [sales@epotekeurope.com](mailto:sales@epotekeurope.com)

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S Y S T E M E S   D E   D O S A G E   I N D U S T R I E L

122, Chemin de la Cavée - 78630 Orgeval • [contact@polydispensing.com](mailto:contact@polydispensing.com) • Tel :  
01.39.62.40.92

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