

PreciDuo Two-component volumetric dispenser

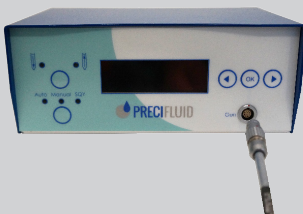


Volumetric dispensing system manufacture
www.precifluid.com – contact@precifluid.com

Two-component volumetric dispenser

Advantages

- Continuous Volumetric dispensing
- No variations with viscosity changes
- Linear movement and pulsation-free
- Dispensing speed rate programmable
- Manual / Automatic / Sequential modes
- Two-component 50ml cartridge (ratio and cartridge base shape to define at the order)



Presentation

The Preciduo is a volumetric dispenser for two-component material packaged in 50ml cartridges. It is compatible with all kind of fluids from the more liquid to the more viscous. This dispenser combines speed and accuracy while its use remains simple.

By the action of a step by step motor that performs the positive displacement, in a controlled and repetitive way, it dispenses a given volume of product. This equipment goes beyond the limits and performances of a pneumatic dispensing system. This dispenser is the only one allowing you to perform a volumetric dispense from a 50ml two-component cartridge.

Designed and manufactured in France, its electromechanical movement guarantees an unmatched accuracy regardless of the variations of viscosity of the fluids dispensed.

Characteristics



Needle tips

- From 14G to 32G
- Standard color code
- Certified silicone free



Luer Lock Adaptor

- To mount a needle tip on static mixer with stairway outlet.



Static Mixers

- Designed and adapted to your dispensing application.
- Exist with different inlets, outlets, elements and diameters



Two-component cartridge

- 50 ml
- Cartridge base shape to define at order
 - Rectangular base : ratio 1:1 - 2:1 - 4:1 - 10:1
 - Rounded base : ratio 1:1 - 2:1 - 4:1



Cartirdge holder

- Size available for ratio 1:1 - 2:1 - 4:1 - 10:1



PreciDuo Gun

The system of linear dispensing is equipped with a step by step motor and an endless screw. It guarantees a positive displacement (forward and backward) identical for each application, until the cartridge is empty. Stability is the most important factor for a constant and accurate fluid.

How does it work ?

The micro-drive system works by moving a linear stepper motor, leading to the movement of the product contained inside the cartridge. Thus, unlike the pneumatic dispensers operated by the air pressure, the Preciduo – the two-component volumetric dispenser – optimizes the dispensing of two-component fluids in terms of accuracy and repeatability.

In addition to its performance, its use remains very instinctive. Thanks to previously recorded programs, its shots are regular and constants. You only need to set digitally on the controller the number of steps the motor will make and the dispensing speed rate desired. There is no need to adapt the settings to the viscosity variations such as temperature and surrounding conditions.

The cartridge attachment system is easy fast and tool-free.

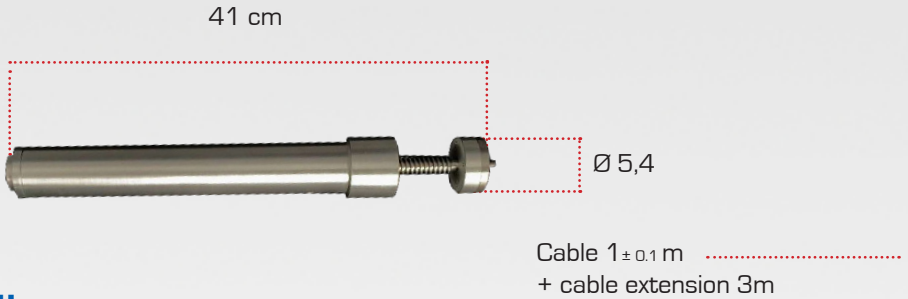
The equipment can operate in three modes :

- **Manual** : As long as the cycle is activated by the foot pedal or by a closed contact, the device dispenses at a defined speed.
- **Automatic** : At each impulse (foot pedal or PLC contact) the PreciDuo dispenses according to the registered active program settings.
- **Sequential** : This mode is a succession of programs (different or identical) spaced by a selectable period of time.

At the end of the dispense, it is possible to set the retract of the push rods to stop the flow of the fluid.

For high viscosity product, we offer an option of anti-dripping valve connected directly to the static mixer, to get a clean cut at the end of the dispense.

Two-component PreciDuo Gun



Controller



CHARACTERISTICS

Suitable for Two-component cartridges of 50ml

Instinctive use

Programmable sequences

Robust aluminium design

Weight : 1kg 232

Available in 4 ratio versions : 1:1 - 2:1 - 4:1 - 10:1

Dispensing in steps from 1 to 68 500

Dispensing rate : 1 to 1 000 steps/sec

Automatic Retract : 11 to 5 000 steps

Retract catch up: automatic

Connection DropGun to Controller : LEMO cable + 3m cable extension

Time alarm available