



| Precifluid® Dispenser

VOLUMETRIC DISPENSER PRECIFLUID®

User Manual

EN

User guide

VOLUMETRIC DISPENSER PRECIFLUID®

This setup guide is also available online at :

[**www.precifluid.com**](http://www.precifluid.com)

Please dispatch it to your different services (production, supervisors,
maintenance , supply chains...)

Introduction

You have purchased the Precifluid dispenser.

This innovative technology is designed to proceed an efficient and accurate dispense of all type of 1 or 2 components fluid and paste. This equipment benefits from the Precifluid proprietary system based on the technology of a linear forward and backward movement.

Please take a few minutes by following our procedures to learn the use of your Precifluid equipment. Review the helpfull information included in this user guide book.

If you have any question, feel free to contact your Precifluid customer service :
contact@precifluid.com

Precifluid commitment

«You have just received your dispensing equipment Precifluid. I want you to know that all of us in the Precifluid team are focused on providing the best service for your complete satisfaction.

All your comments and questions will be addressed by our technical and sales services at +33 (0)1 39 62 40 92.

Please feel free to contact us at your convenience and let us know more about your applications.

The Precifluid team is honored by your confidence thanks you for choosing PreciFluid®.»

President of PreciFluid

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Introduction

Please read the user manual for proper use of your equipment. Follow all safety instructions. Task and equipment-specific warnings, cautions and instructions are included in the equipment documentation.

Make sure these instructions documents are in free access to users from operating and production.

Qualified Personnel

Equipment owners are responsible for making sure that PreciFluid® equipment is installed, operated and serviced by qualified personnel. Qualified personnel are those employees who are trained to safely perform their assigned tasks. They are familiar with all relevant safety rules and regulations and are physically capable of performing their assigned tasks.

Action in the case of a Malfunction

In case of a malfunction of the system, turn off the system immediately and perform the following steps : Disconnect and lock out system electrical power, slowly unscrew the barrel retainer. Identify the reason for the malfunction and correct it before restarting the system.

Fire caution

To prevent fire hazard, follow these instructions :

- Have adequate ventilation to prevent any dangerous situation about particles or vapour. For any council, please refer to the local code or toxicological specifications of products.
- Do not interrupt electrical circuits of the PreciFluid besides flammable materials. To avoid sparks, first turn off power before disconnect.
- Switch off all the equipment immediately if you receive even a slight electric shock and do not restart the equipment until the problem has been identified and corrected.
- Do not smoke or use flames where inflammable materials are stocked clean and maintain equipment following instructions of this user guide.
- Make sure you have an adequate ventilation to prevent any dangerous particles or vapours concentration. For more informations, please refer to the local code or the toxicological datasheet of your product.
- Do not disconnect working electrical circuits during work nearby flammable materials. To avoid sparks, first turn off power before disconnect .
- Know where emergency stop buttons, shut-off valves and fire extinguishers are located.
- Use only replacement parts that are designed for use with original equipment.

Disposal

Dispose of equipment and materials used in operation and servicing according to local codes.

Intended Use

Use of PreciFluid® equipment in ways other than those described in the documentation supplied with the equipment may result in injury to persons or damage to property.

Do not use incompatible materials

Do not make unauthorized modifications

Do not operate equipment in excess of maximum ratings

Notes: All PreciFluid® disposable components, including syringe barrels, cartridges, pistons, tip caps, end caps, and dispense tips, are precision engineered for one-time use. Cleaning them and re-using components will compromise dispensing accuracy and may increase the risk of personal injury.

Please use PreciFluid® consumables to preserve an optimal accuracy and avoid waste of product.

- Do always wear appropriated protective equipment and clothing suitable for your dispensing application.
- Under no circumstances should you try to unscrew the screw or force it.
- Do not heat syringe barrels or cartridges to a temperature greater than 38°C (100°F).
- Dispose of components according to local regulations after one-time use.
- Do not clean components with strong solvents (e.g. MEK, Acetone, THF).

Personal safety

To prevent injury, follow these instructions:

- Do not operate or service equipment unless you are qualified.
- Do not operate equipment unless safety guards, doors or covers are intact and automatic interlocks are operating properly.
- Do not bypass or disarm any safety devices.
- Keep clear of moving equipment. Before adjusting or servicing moving equipment, shut off the power supply and wait until the equipment comes to a complete stop. Lock out power and secure the equipment to prevent unexpected movement.
- Switch off all the equipment immediately if you receive even a slight electric shock and do not restart the equipment until the problem has been identified and corrected.
- Get all informations concerning the toxicological specifications of the used product.
- Respect manufacturer's informations for a safe manipulation of products and use personal protective equipment.
- To prevent any accident, please consider the workstation's dangers, less obvious but may not be entirely eliminate : hot surfaces, electrical circuits and moving part who cant be trapped inside for practical reason.

Precifluid official cleaning recommendation

In order to optimize the use of your PRECIDrop®, we recommend you to follow the instructions below for a good cleaning of your equipment if necessary.

- When you have emptied your syringe, make sure that no glue is present on the screw.
- If this is the case, clean the PRECIDrop® gun with the proper solvent.
- Type of product to be used : sopropyl alcohol, industrial alcohol 95 °, ethanol
- Product type not to be used : Methylethylketone (MEK), Acetone, mineral spirits, strong solvent solvent immersion cleaning and cleaning the PreciDrop in an ultrasonic bath.

To clean the PreciDrop :

- 1 Unscrew the pusher to its maximum
- 2 Put the gun down, in the positive screw face down and apply a cleaning agent as listed above
- 3 Let the product act for a few minutes
- 4 Using a soft cloth to wipe the screw
- 5 Once the screw is perfectly clean you can retract the screw by resetting your Precidrop.

Notes :

If there is still glue on the screw, reapply the cleaning agent with a soft brush or paint brush. Repeat this procedure as many times as necessary until there is no glue or product left. It is imperative to leave the screw surface without any residue of adhesive or cleaning product.

Volumetric controller's installation

Your volumetric controller 's PreciFluid® is a patented and unique technology, allowing a metering accuracy exceptional and this, a few are variations of viscosity or temperature.

BASIC PRINCIPLE

The PRECIDrop® 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%.

FEATURES

- Fully electric, without compressed air
- Easy to set up : choose volume (cc), speed (cc/sec) and backsteps (in steps) and start. Other options are possible
- Available in syringes in 3cc, 5cc, 10cc, 30cc sizes
- Programming keypad, high capacity memory, multi-line display.
- All-digital, multi-function multilingual display

UNPACK YOUR PRECIFLUID®

Remove all items from the box and check that all the components are present :

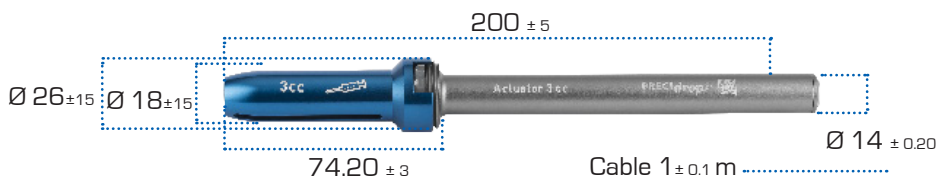


- 1 Case DropUnit : Control Unit
- 2 PRECIDrop® : Linear Distribution System (3cc or 5cc)
- 3 PRECIDrop® : Linear Distribution System (10cc or 30cc)
- 4 Power supply - Input 100-240V Output 9V
- 5 Starter kit : syringes, pistons, Dropgun support, finger switch + foot pedal, end of cycle connector, second part 2 of the power supply
- 6 Needles DropTips : Sizes 14G to 32G

3 CC PRECIDrop® SPECIFICATIONS

SPECIFICATIONS	
Size	3cc
Forward screw [mm] -env.	40
Linear movement per step [mm]	0,000781
Section of the syringe [mm2]	70.88
Usable volume max [cc]	2.84
Volume by steps [mm3]	0.057
Volume by steps [cc]	0.000057

DIMENSIONS (mm)

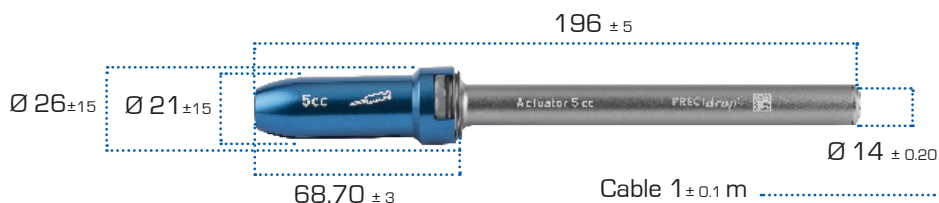


5 CC PRECIDrop® SPECIFICATIONS

SPECIFICATIONS

Size	5cc
Forward screw [mm] -env.	30
Linear movement per step [mm]	0,000781
Section of the syringe [mm²]	124.69
Usable volume max [cc]	4.11
Volume by steps [mm³]	0.10
Volume by steps [cc]	0,00010

DIMENSIONS (mm)

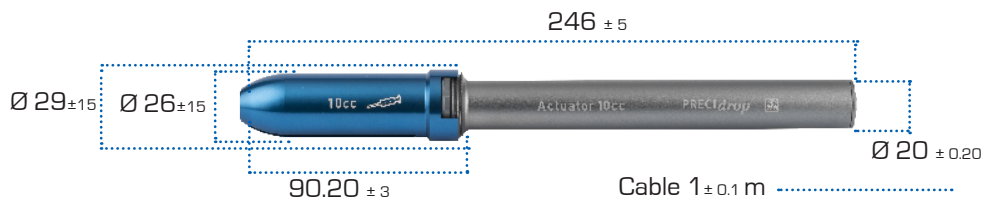


10 CC PRECIDrop® SPECIFICATIONS

SPECIFICATIONS

Size	10cc
Forward screw [mm]	50
Linear movement per step [mm]	0,00181
Section of the syringe [mm²]	196,07
Usable volume max [cc]	9,80
Volume by steps [mm³]	0,36
Volume by steps [cc]	0,00036

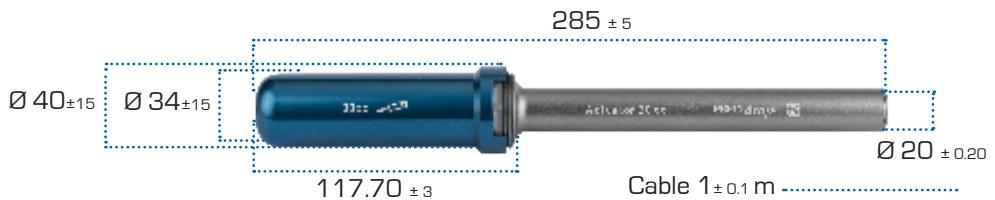
DIMENSIONS (mm)



30 CC PRECIDrop® SPECIFICATIONS

SPECIFICATIONS	
Size	30cc
Forward screw [mm]	70
Linear movement per step [mm]	0,00233
Section of the syringe [mm²]	401.15
Usable volume max [cc]	28.08
Volume by steps [mm³]	0,930
Volume by steps [cc]	0,000930

DIMENSIONS (mm)



CONTROLLER SPECIFICATIONS

SPECIFICATIONS

Dimensions L*I*H (mm)	205 x 148 x 82
Weight	1,47 Kg
Outer- power supply range of input voltages	100-240V
Maximum inrush current	2A
Range of input frequencies	50-60Hz
Output Voltage	9V
Output Current	1,5A
Output power	13,5W
Cycle start signal	Pedal, Command to the finger or dry contact
Cycle end signal	Static output

DIMENSIONS



PRINCIPLE OF OPERATION OF PRECIFLUID®

Due to a high performance PRECIDrop®, the PreciFluid® metering dispenser perform a linear progression of the piston in contact with the fluid. The screw activated by the stepper motor has a high precision machining and is directly linked to the piston by a patented connection system.

The system also offers a high pushing capacity going beyond 500,000 cps with a torque multiplication.

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

Working delay can be programmed in order to be alerted at the end of the process (for example, this can be useful during the application of a two-components product with a limited operating time).

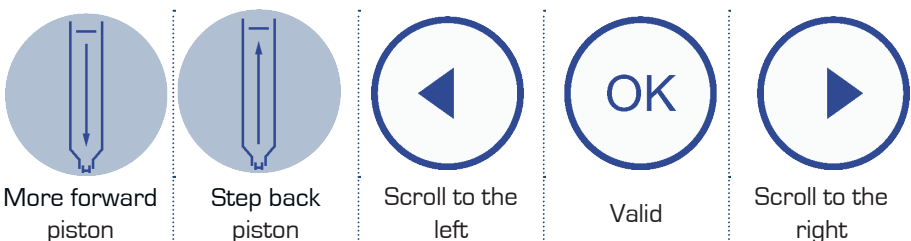
The equipment can operate in three modes :

Manual : As long as the cycle is activated by a switch, the PRECIDrop® dispense with a defined dispensrate (cc/s) till the switch is off. Delay time and Backsteps (steps) can be programmed at the end of the cycle.

Automatic : Each pulse signal let the PRECIDrop® dispense the pre programmed dispensvolume (cc) with defined dispensrate (cc/s). Delay time (sec) and Backsteps (steps) can be programmed at the end of the cycle.

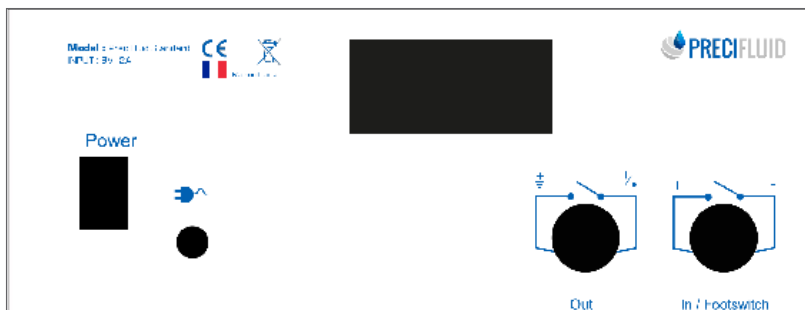
Sequences : In Sequences mode you can set up to ten different Programs out of the Automatic mode in a Sequence. Suitable to dispense different dispensvolumes one by one. Delay time (sec) and Backsteps (steps) can be programmed at the end of the cycle.

Buttons :



START THE UNIT

Back Panel.....

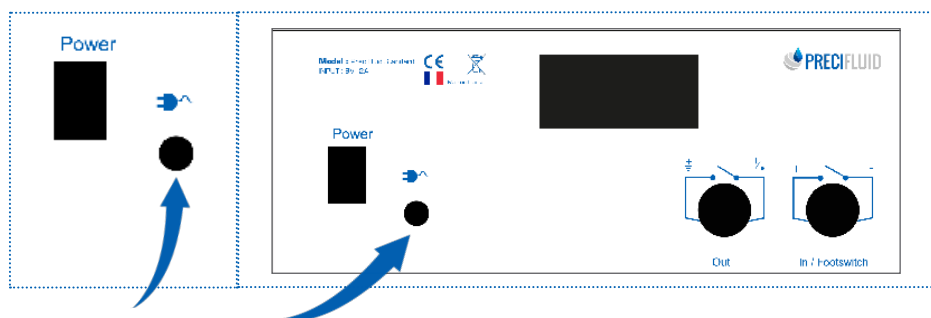


1

Electrical power

The volumetric dispenser PreciFluid works with a 100 to 230V power supply. Please check the compatibility before connecting it to the power outlet.

No adjustment is required by the user, the electronic console adjustment PreciFluid® Standard uses of the low voltage.

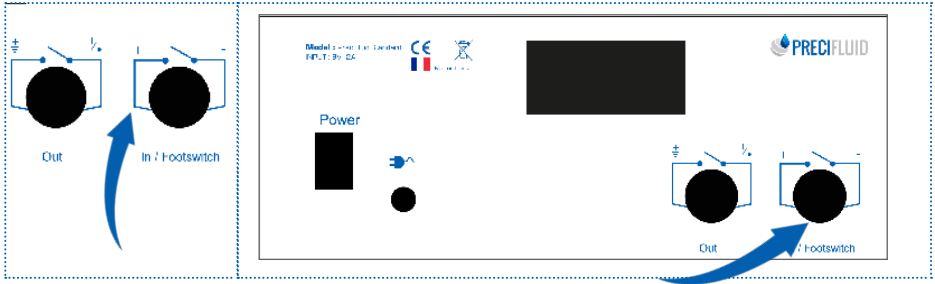


- Turn the power switch OFF
- Plug in the 9V power connector to the PreciFluid
- Turn the power switch ON

Your device is electrically connected.

2

Connect your foot control or command to the finger or even contact machine (*)



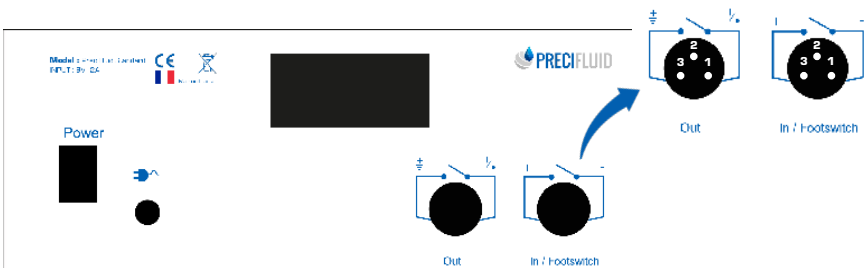
Plug in the Footswitch or your input signal to the controller(*)

3

If you want an ending cycle signal, use the additional connector provided with your Precifluid®. It is important to follow the following wiring diagram :

Feed pin 1 +12Vdc or + 24Vdc or + 48Vdc.

You retrieve this voltage end of the cycle to 3 pins during 500ms



Front panel

Take the time to recognize the buttons and connections of the device :

Extend and retract

Validation



Change to mode

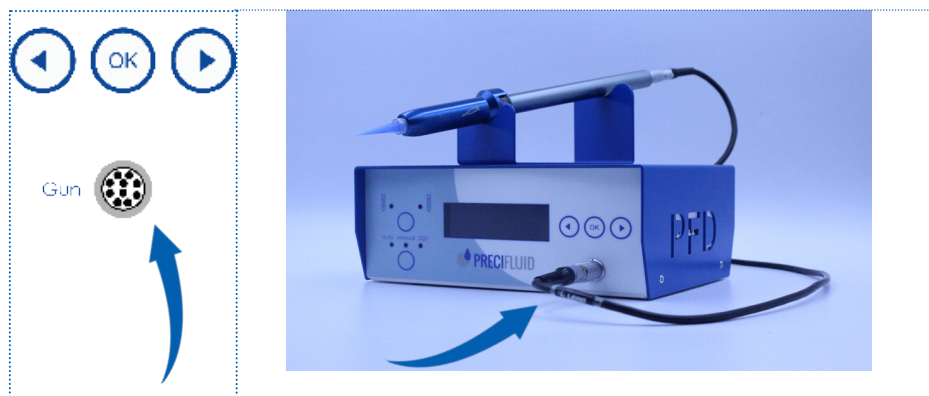
Navigation

4

Take your PRECIDrop® and connect it to your control unit.

The connector is provided with keyed to ensure a good connection. You should hear a «click» felt and looked safe and locks the connection.

To disconnect the DropGun, please keep the enclosure with one hand and pull toward you the connector.



5

When connecting the Precifluid® you must set your gun so that it finds its zero point.

To do this, connect the gun to the Precifluid® case. Now you are asked to initialize the gun. Press ok.

INIT ERROR ?

CONTINUE ?

After a visual inspection of the gun, press OK when the message « Init Error ? continue ? » appears. The screw of the PRECIDrop® retracts completely, you can then begin to program your console.

Note : Each time you unplug the gun, you will be prompted to reset it.

6

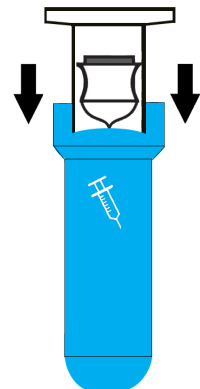
If everything is plugged and electrically connected, we are going to mount the PRECIDrop®.

To prepare your gun you must assemble the elements in the order of the following image (overleaf) :

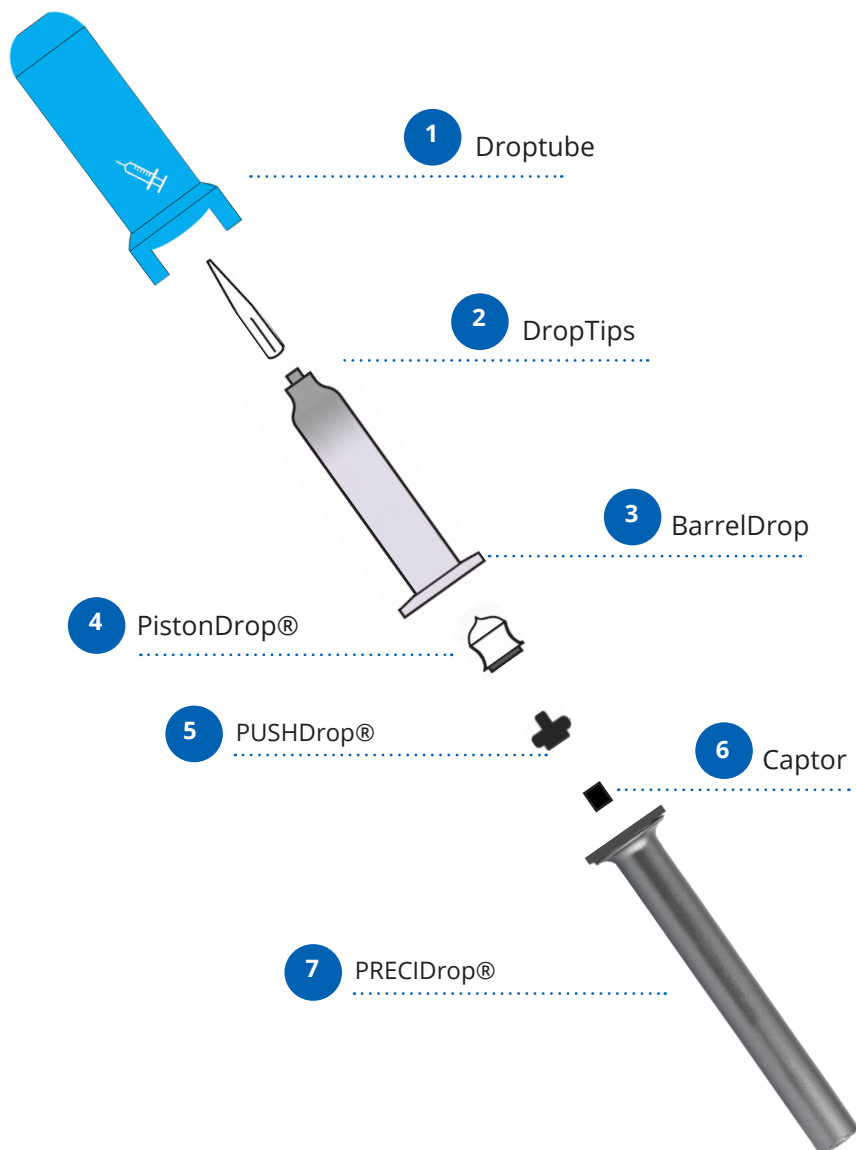
Insert a correctly filled PreciFluid® syringe (maximum $\frac{3}{4}$ of the barrel capacity) into the DropTube (syringe case). Do not force because each DropTube is perfectly suited for syringe sizes.

Important :

Use only PreciFluid® syringe barrels and pistons that are designed for use with original equipment. The gun calibration is design for the syringe PreciFluid® with a very high accuracy. Only syringes and pistons PreciFluid® guarantee the most accurate and repeatable dispense.



COMPOSITION OF PRECIDROP®

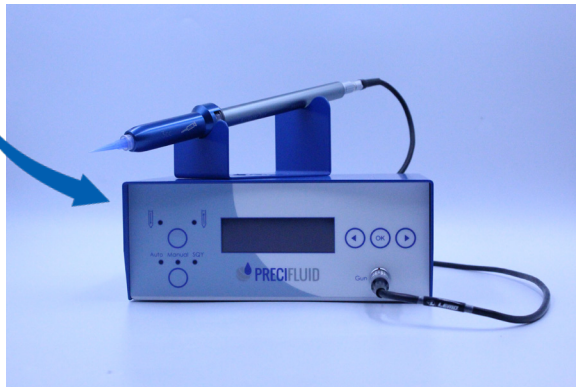
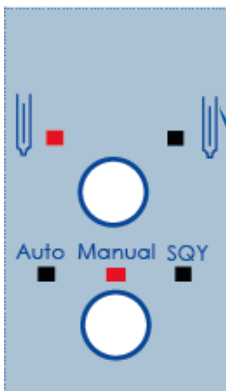


Assemble the gun to the Droptube with the syringe barrel and simply screw, without over tightening it.



7 Turn your gun upwards and make sure that the magnetic ring in the DropTube is level with the PistonDrop.

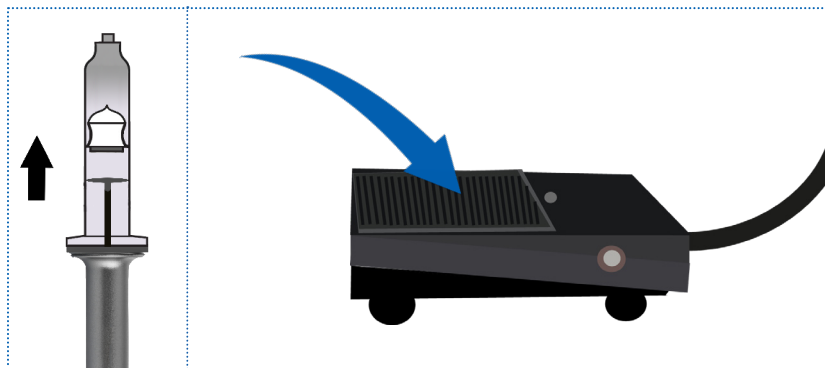
8 Once your PRECIDrop® has been set, activate the «manual» mode, select a relatively high speed, select the «↓» button and then press the pedal. The «manual» and «↓» leds must be illuminated.



9

Now tilt the gun upwards, advance the PRECIDrop® gun screw by pressing the pedal.

As soon as the screw is in contact with the piston, you will hear a «click». Release the pedal and start programming your console.



10

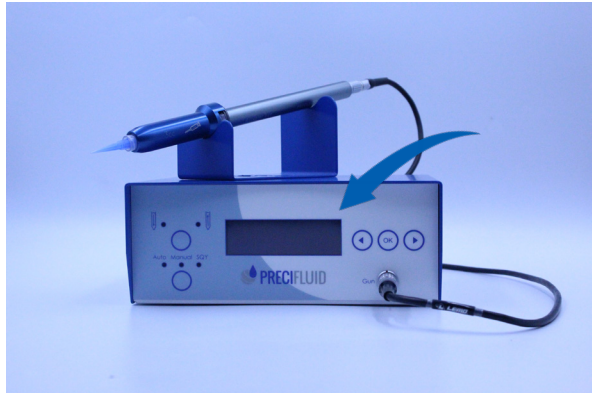
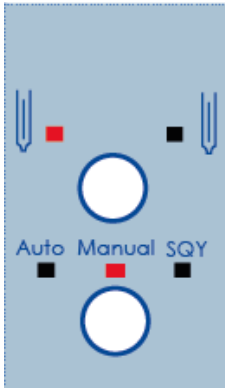
Your Precifluid® equipment is now ready to use.

Activate your dispensing mode :

- "Auto" mode page 65
- "Manual" mode page 68
- "SQY" mode page 71

11

Make sure the right dispensing mode is activated



Start dispensing using.

Important :

To optimize the use of your Precifluid, use tapered needle tips with the widest diameter possible and the slowest dispensing speed rate possible. As a matter of fact, with a volumetric dispenser, the width of the dispensing tip has no influence on the dispensed volume – unlike with a time-pressure dispenser.

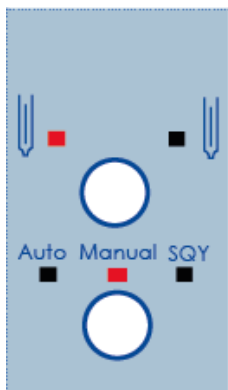
The load loss caused by a needle tip diameter too small creates a compression and an inertia which complicates the draw back settings and can mistreats certain fluids.

PreciFluid® Set up



CHOICE OF THE MODE OF OPERATION : AUTO – MANUAL - SQY :

Press once the button just below to highlight the right dispensing mode.
For each mode, you'll find a dispense parameters menu. Select your dispensing mode and set it up.



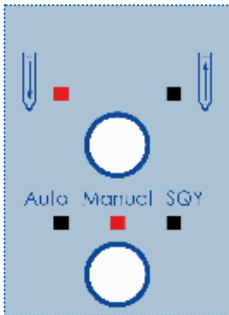
Mode « Auto »

This Auto mode is used to give out a fixed and defined quantity of medium at a selected speed (.in cc/s)
Pressing the foot pedal starts the dispensing process even if not held.

This mode is used for calibrated and repeated shots.

In this mode, you can also schedule :

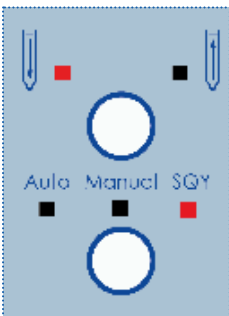
- « Default program » : Choose that the program to be launched by default at the start of the device
- « Alarm working time » : Define a working time limit beyond which the device goes into alarm (this allowing not to exceed the time of life product for example)
- Save your program.



Mode « Manual » :

The «manual» mode allows you to make deposits at a programmed speed (in cc / s), pressing the pedal (or sending an external contact , PLC for example) triggers the cycle which continues as long as the pedal is not released (or the external contact has not stopped). This mode is often favoured for the realization of deposits with the «judged» or of cordons to judge or else of removal of cord led by an external contact. This is the only way to back the screw in a controlled way.

Choice Mode «advance» or «decline» of the screw.



Mode « SQY » :

The «SQY» mode or sequence allows you to make deposited one or more volumes scheduled spaced a programmed time. This is a series of doses. These doses course programmed speed (cc/s), a withdrawal movement end of the programmed cycle , as well as other parameters such as those expressed above for the «Auto» mode.

Auto mode set up

Follow these instructions to program your auto mode :

1

« Step back » is highlighted
Press button 2 on the touch "auto"

2

You can select with touch ◀ and ▶ the program to be modified
(0 by default)
You can store up to 10 programs.



```
AUTO
PROG : 0
DROP : 0,000057CC
```


3

Click "OK" to enter "edition mode"

4

Enter sub-menu "syringe size"

- Click on touch «OK» to choose the syringe size
- Select size with keys ◀ and ▶ (3cc, 5cc, 10cc, 30cc)
- Press "OK" to save the right size



```
AUTO - EDIT MODE
PROG : 0
SYRINGE SIZE
3CC
```

5

Press key ► to reach next sub-menu, "drop size"

- Press key « OK » to modify the size in cc
- Press keys ◀ and ▶ to increase and decrease the size
- Press key « OK » to save the right drop size.

```
AUTO - EDIT MODE
PROG : 0
DROPSIZE
10,000057CC
```

6

Press key ► to reach next sub-menu, "dispense time"

- Press key « OK » to modify the speed in cc/s
- Press keys ◀ and ▶ to increase and decrease speed
- Press key « OK » to save the right speed.

```
AUTO - EDIT MODE
PROG : 0
DISPENSE TIME
10,000057CC/S
```

7

Press key ► to reach sub-menu « retreat ».

- Press key « OK » to modify parameter
- Press keys ◀ and ▶ to increase and decrease.
- Confirm with the «OK» key in order to validate the time selected
- For this setting, use a 5-step learning method

```
AUTO - EDIT MODE
PROG : 0
RETREAT
12STEPS
```

8

Press key ► to reach next sub-menu, "delays"

- Press key « OK » to modify the time in seconds
- Press keys ◀ and ▶ to increase and decrease the time
- Press key « OK » to save.

```
AUTO - EDIT MODE
PROG : 0
WITHDRAWAL
```

9

- Press key ► in order to go to the sub-menu «Alarm time»
- Press key « OK » to be able to change the time in minute
- Press the keys ◀ and ▶ to increase or reduce the time
- Confirm with the «OK» key in order to validate the time selected

```
AUTO - EDIT MODE
PROG : 0
WORK TIME ALARM
) 2MIN
```

10

- Press key ► in order to go to the sub menu Next « Default Program»
- Press key « OK » In order to select « YES » or « NO »

11

- Press key ► In order to back up and then press « OK »
- The program of your PreciFluid® is now fully established and parameter.

12

You can now proceed with the dosage.

When you reach the end of the syringe, the following message will appear:

```
SYRINGE END
RE-INIT?
CLEAN SCREW ?
```

Before pressing ok, remove the Droptube and the syringe in order to visually check the absence of product deposited on the plunger so as not to pollute the sensors and proceed with cleaning if necessary. (see p.48: Recommendations for cleaning your Precifluid). You can now press ok to retract the plunger.

Manual mode set up

Follow these instructions to program your manual mode :

1

« Extend » is highlighted
Press button 2 "manual"

2

You can select with touch ◀ and ▶ the program to be modified
(0 by default)




MANUAL
PROG : 0
3CC

3

Click "OK" to enter "edition mode"

4

- Enter sub-menu "syringe size"
- Click on touch «OK» to choose the syringe size
- Select size with keys ◀ and ▶ (3cc, 5cc, 10cc, 30cc)
- Press "OK" to save the right size



MANUAL - EDIT MODE
PROG : 0
SYRINGE SIZE
3CC

5

- Press key ► to reach next sub-menu, "dispense time"
- Press key « OK » to modify the speed in cc/s
- Press keys ◀ and ▶ to increase and decrease speed.
- Press key « OK » to save the right speed

```
MANUAL - EDIT MODE
PROG : 0
DISPENSE TIME
10,000057CC/S
```

6

- Press key ► to reach sub-menu « retreat »
- Press key « OK » to modify parameter
- Press keys ◀ and ▶ to increase and decrease
- Press key « OK » to save the value

```
MANUAL - EDIT MODE
PROG : 0
RETREAT
10 STEP
```

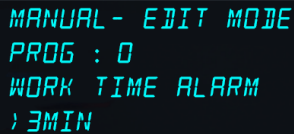
7

- Press key ► to reach next sub-menu, "delays"
- Press key « OK » to modify the time in seconds
- Press keys ◀ and ▶ to increase and decrease the time
- Press key « OK » to save.

```
AUTO - EDIT MODE
PROG : 0
WITHDRAWAL
```


8

- Press key ► in order to go to the sub-menu «Alarm time»
- Press key « OK » to be able to change the time in minute
- Press the keys ◀ and ▶ to increase or reduce the time
- Confirm with the «OK» key in order to validate the time selected

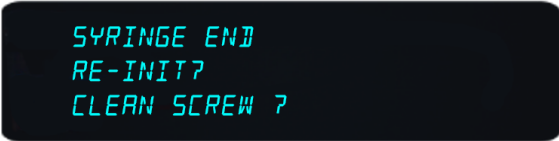


```
MANUAL - EDIT MODE
PROG : 0
WORK TIME ALARM
13MIN
```

9

You can now proceed with the dosage.

When you reach the end of the syringe, the following message will appear:



```
SYRINGE END
RE-INIT?
CLEAN SCREW ?
```

Before pressing ok, remove the Droptube and the syringe in order to visually check the absence of product deposited on the plunger so as not to pollute the sensors and proceed with cleaning if necessary. (see p.48: Recommendations for cleaning your Precifluid).

You can now press ok to retract the plunger.

Sequential mode operation

Prerequisite :

Sequential mode uses programs created in automatic mode (see p.67).
It is therefore necessary to create these programs before using the sequential mode.


Follow the following steps to program your sequential modes :

1

- « Extend » is highlighted
- Press button 2 "SQY"

2


- You can select with touch ◀ and ▶ the program to be modified
(0 by default)



```
SEQ
PROG : 0
9 2 0 0 0 0 0 0 0 *
```

3

- Click « OK » to enter "edition mode"



```
SEQ - EDIT MODE
PROG : 0
PROGRAM #0
0
```

4

First select with keys ◀ and ▶ the program to be modified and press «OK»




```
SEQ - EDIT MODE
PROG : 0
PROGRAM #0
12
```

5

Once in the program, select the cycle using the ◀ and ▶ (From 0 to 9) and assign it by pressing «OK»

6

- Press keys ◀ and ▶ for next sub-menu « Alarm time »
- Press key « OK » to modify time in second
- Press keys ◀ and ▶ to increase and decrease time
- Press key « OK » in order to validate the time selected



```
SEQ - EDIT MODE
PROG : 0
ALARM TIME
1 X SEC
```

7


- Press key ▶ to sub-menu « save »
- Select « Save » than press key « OK ».

Note : You have two options for this mode:

- Delay 0 which allows the product to be removed at each pulse on the pedal
- Delay between 0 and 30 seconds which allows to start the sequence with a waiting time between each pulse.

You can now proceed with the dosage.

When you reach the end of the syringe, the following message will appear: .



```
SYRINGE END  
RE-INIT?  
CLEAN SCREW ?
```

Before pressing ok, remove the Droptube and the syringe in order to visually check the absence of product deposited on the plunger so as not to pollute the sensors and proceed with cleaning if necessary. (see p.48: Recommendations for cleaning your Precifluid).

You can now press ok to retract the plunger.

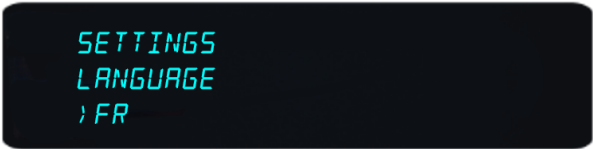
ENTER IN THE PARAMETER

Follow the following steps to enter in the settings :

To return to the parameters Precifluid® (Initialize the pistol, Language, factory setting) press two time quickly on the « OK », to change of parameter press in the keys ◀ and ▶.

To change language


To change the language, press the «OK» button and then select «EN», «FR» or «DE» using the ◀ and ▶ then confirm with «OK»



```
SETTINGS  
LANGUAGE  
} FR
```

To initialize the gun

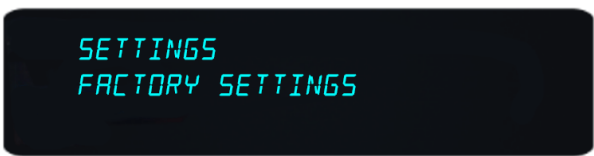
To initialize the gun, press the button «OK», the LED on «Retract» and press the command start of cycle.



```
SETTINGS  
INIT GUN
```

For Factory Settings

To reset the Precifluid® console, select «Factory settings» and press the «OK» key.

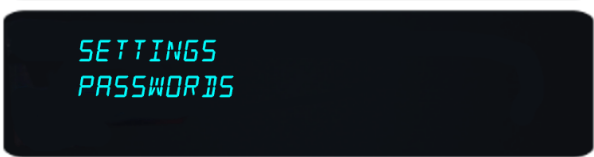
A black rectangular LCD screen with green monospaced text. The text is arranged in two lines: "SETTINGS" on the top line and "FACTORY SETTINGS" on the bottom line.

SETTINGS
FACTORY SETTINGS

Attention: Returning to the factory settings erases all stored data including programs.

To create a password

To create a password, select «password», press «ON» to create it then the «OK» key and then create your password with 4 digits between 0 and 9.
Creating a password allows you to protect the editing of programs you have saved.

A black rectangular LCD screen with green monospaced text. The text is arranged in two lines: "SETTINGS" on the top line and "PASSWORDS" on the bottom line.

SETTINGS
PASSWORDS

Note : If you have forgotten your password, the console must return to the manufacturer

To exit the settings

To exit the settings press the «OK» key twice quickly

To turn off the case

Check that you have saved and press the power button to the rear.

Consumables

Reference	Description
Optimum Syringe + Piston Drop/batch	
C-SP3AMB	Optimum Amber Syringe + Piston Drop 3cc
C-SP5AMB	Optimum Amber Syringe + Piston Drop 5cc
C-SP10AMB	Optimum Amber Syringe + Piston Drop 10cc
C-SP30AMB	Optimum Amber Syringe + Piston Drop 30cc
C-SP3NO	Optimum Black Syringe + Piston Drop 3cc
C-SP5NO	Optimum Black Syringe + Piston Drop 5cc
C-SP10NO	Optimum Black Syringe + Piston Drop 10cc
C-SP30NO	Optimum Black Syringe + Piston Drop 30cc
C-SP3TR	Optimum Transparente Syringe + Piston Drop 3cc
C-SP5TR	Optimum Transparente Syringe + Piston Drop 5cc
C-SP10TR	Optimum Transparente Syringe + Piston Drop 10cc
C-SP30TR	Optimum Transparente Syringe + Piston Drop 30cc
ZPRECIAMP	0.25 inch Needle sample box - 14 Tapered Pieces

Spare parts

Références	Description
PDS-DRC	Precifluid box
PDS-HS-01-C	End of cycle control
PDS-PDC	Precifluid pedal

PRECIDrop® + Droptube

PDS-PDT3cc	PRECIDrop® and droptube 3cc
PDS-PDT5cc	PRECIDrop® and droptube 5cc
PDS-PDT10cc	PRECIDrop® and droptube 10cc
PDS-PDT30cc	PRECIDrop® and droptube 30cc

Droptube

BDET003	Droptube 3cc
BDET005	Droptube 5cc
BDET010	Droptube 10cc
BDET030	Droptube 30cc
PDS-PRECIDC	Power supply 9V 2A for Precifluid
PDSRL1.5M	Extension for Pistol Precifluid 1.5M
PDSRL3.0M	Extension for Pistol Precifluid 3.0M
PDS-SDP	Blue gun holder
PDS-CAB	Cable 1m PRECIDrop
PDS-CAD	Finger control

GARANTIE Precifluid : 1 an pièces et main d'œuvre

Le doseur volumétrique Precifluid® est garanti 1 an pièces et main d'œuvre, à compter de sa date d'achat. Durant cette période de garantie, le service technique Precifluid® répare ou remplace tout ou partie du doseur. Après accord, le matériel est retourné aux frais de l'utilisateur.

En aucun cas l'obligation de Precifluid® de répondre d'un dommage, ne peut excéder le prix d'achat de l'équipement. L'utilisateur doit s'assurer de la conformité du matériel à l'usage envisagé.

Precifluid® n'assure aucune garantie de qualité marchande ou de bon fonctionnement pour aucun objectif particulier. Precifluid® ne pourra être tenu pour responsable de dommages accessoires ou indirects.

Le PreciFluid®, un concentré de technologie au service de votre dosage. Compatible avec tous types de fluides (des plus liquides aux plus visqueux), ce doseur volumétrique allie vitesse et précision tout en gardant une structure simple et ergonomique.

Par l'action d'un moteur pas à pas qui effectue le déplacement d'un volume de produit de manière répétitive et contrôlée, cette gamme va au-delà des limites des systèmes de dosage pneumatiques (au moins sept fois plus précises) et permet des déposes remarquablement plus petites que les doseurs volumétriques du marché avec un volume minimum allant jusqu'à 0,06 microlitres. Ce doseur breveté est le seul à vous garantir le dépôt volumétrique avec une telle précision.

Conçu et fabriqué en Suisse, le mouvement électromécanique du PreciFluid® assure une précision record quelles que soient les variations de viscosité du fluide déposé.

Le PreciFluid® offre également une haute capacité de poussée permettant l'utilisation de fluides de plus de 500 000 cps grâce à une multiplication du couple.

Pour une assistance technique et commerciale:
contactez Precifluid
ou visitez www.precifluid.com.

+33 (0)1 39 62 40 92
contact@precifluid.com



