



FILLOSHINE
just science

Solution Nine

(For Professional Use Only)

Filloshine Solution 9 is being commercialized by Bio-shine. While initially designed to support the injection of Filloshine GFP21.0 and GFP10.5 products. The solution 9 injector will be for dermatological procedures requiring injections of specific volumes of material at specific depths involving hyaluronic acids, dermal fillers and other injections.

The injector was designed with input from dermatologists, industrial designers, and electronic and medical device engineers to improve the delivery of a variety of injectables in a controlled, precise manner, removing the risks and uncertainties of injection outcomes currently resulting from manually operated, single-needle syringes.



FILLOSHINE INJECTOR

Instruction Manual

* For safe use, please read this manual carefully. Use it correctly according to the contents described.

Keep this manual for future to use to transferring this product to another person, please be sure include it together

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Safety and Regulation

1. Power

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1. Power

- This product operates at 12W of power consumption by using the adapter of AC 100~240V 50/60Hz of input power. DC12V 1.0A of output power.
- Do not let water get into the product. Otherwise it may have risk to have damage on the product and electric shock may result in fire.
- Unplug the power plug when not using the product for long time.
- If the product is exposed to water, abnormal condition such as odor, smell, or smoke, immediately stop using the product, turn off the power, and contact the seller, distributor or the manufacturer.
- To avoid the risk of electric shock, this equipment should only be connected to a supply with protective grounding.

2. Caution

- This manual must be acquired before using the product.
- Failure to follow warnings, cautions, and instructions properly may result in injury to the patient.
- This product must be used by trained medical personnel.
- This product is an ancillary device for injecting a certain amount of filler, Botox, water light, etc. Please consult your doctor about the safety of the unintended drug solution when using it.
- Check the condition of the equipment by checking the display of the product frequently using the product.
- Always keep the product clean and use it in such a way that the power line is not twisted.

2. Caution

- Do not use at a hazardous area. Do not use at wet or humid places, with explosive anesthetics or flammable materials.
- Check the rated power and operation status before use.
- If any abnormality occurs during use, discontinue using it immediately.
- Do not modify the product arbitrarily.
- Be careful not to drop or damage the product.
- Do not apply excessive force when connecting and preparing the connection part. It may cause malfunction.

3.Regulation

- This manual must be acquired before using the product.
- If unauthorized accessories are used, there is a risk of product damage and possible accident during operation, please use genuine accessories provided by the manufacturer.
- Do not attempt to repair the product by yourself.
- This product should be inspected, repaired, adjusted by a professional service engineer. Please contact the seller or manufacturer for any defects or inquiries.
- The design of accessories is subject to change.

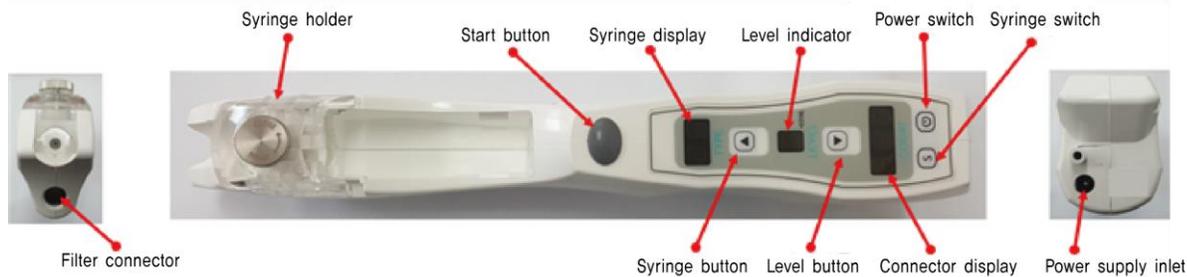
02

Product Structure

1. The names
of each part

2. Component and
each name

1. The Names of each part



	Name	Function
1	Power switch	Power on / off
2	Syringe display	Display syringe condition
3	Syringe button	Adjust syringe type Adjust distance of syringe location level (forward)
4	Level indicator	Injection volume control
5	Level button	Adjust distance of syringe location level (backward)
6	Counter display	Display injection shot count
7	Setting switch	Select syringe type and injection level
8	Power supply inlet	Socket for power supply
9	Start button	Injection begins by pressing this switch " when pressed, motor activates syringe plunger forward to inject solution.
10	Syringe holder	Hold syringe tightly
11	Filter connector	Socket for filter connection
12	Shot [operation] button	Socket for filter connection

2. Component and each name

1. Filter	2. Power supply
	

Name	Function
Filter	It is used to be assembled to "Injector Handpiece" It enables foreign matter not to be included into the device
Power supply	Convert the input AC 100~240V power to output DC12V/1.0A power. It supplies DC power to the main unit. Shapes and colors are subject to change without notice.



Instruction for Use

1. Instruction for use

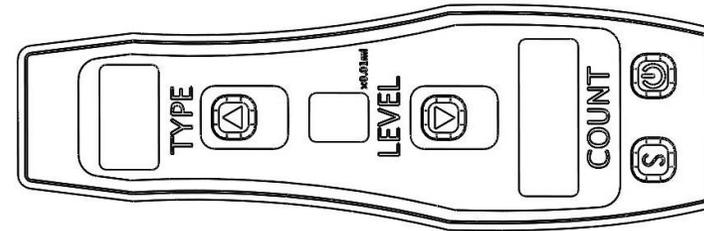


1. Instruction for use



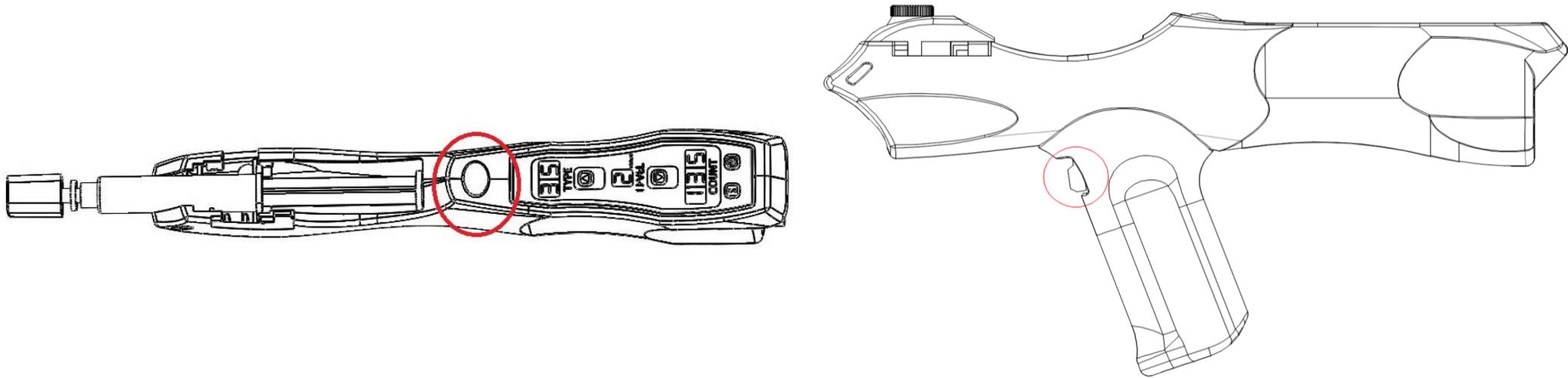
- ① Install an approved syringe the injector hand-piece
- ② After attaching the needle and filter, connect the hose between the filter and the needle.
- ③ Push ◀ button for standby. Press the Set button to set the syringe and type selection.

1. Instruction for use [How to set up the syringe type]



- Press the SET button on the hand- piece to select the injection mode.
- Press the button “◀” to select the syringe type.
It has 6 types of syringe selection. Select the type as ; SHOTT : 1S/3S/5S, BD: 1B/3B/5B
1S/18 mean 1cc, 3S/3B mean 3cc and 5S/5B mean 5cc syringe.
- Press the “▶” button to select injection volume. You may select 5 levels by 0.01 /0.02/0.03 /0.04/0.05 (ml)
- According to the syringe type and injection volume, the count number is displayed in real time.
- Press Setting switch. Then setup finishes. Use the forward “◀” and backward “▶” keys to remove the remaining air from the needle.

1. Instruction for use



- ④ When press the START button or the shot (operation) 4 button, the motor is driven to rotate the shaft axis, and the shaft advances forward to inject the chemical solution.

04

Maintenance

1. Cleaning

3. Store

2. Maintenance



1. Cleaning

- Keep the hand-piece clean after use.
- Keep the power outlet clean to prevent dusty.

2. Maintenance

- Be careful not to be shocked by damage.

3. Store

- If the product is not to be used for a long time, remove the power plug completely and use a special cover to prevent dust and foreign matter.
- Do not store at a place of direct sun light or high humidity.

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Specification

1. Specification

2. Filloshine Solution 9
Consumable

1. Specification

- Electricity Rate
 - Input : AC110~240V, 50~60Hz, 0.5A
 - Output : DC12V/1.0A
- Usable syringe : 1cc / 3cc / 5cc
- Dose Control : 0.01/0.02/0.03/0.04/0.05 ml
- Vacuum pressure : -350 mmHg \pm 20 %
- Dimension : 261*137*42 mm , Weight : 369g

* FILLOSHINE Injector Doses/Level

cc \ Level	1	2	3	4	5
1cc	0.00123457	0.00252525	0.00383142	0.00505051	0.00653595
3cc	0.00108401	0.00224467	0.0034188	0.00453515	0.00569801
5cc	0.00096339	0.00204499	0.003003	0.00406504	0.00505051

2. Filloshine Solution 9 Consumable

- Capacity Needle * 20ea
- Compact size (46mm x 24mm x 17mm)
- Consistent needle length per each step
- Convenient 5 x step needle depths adjustment (0.3/0.6/0.9/1.2/1.5mm)
- Index mark to indicate needle length
- Drug loss prevention
- E·O Gas Sterilization
- Disposable needle





Product Warranty

1. Product Warranty



1. Product Warranty

- The warranty for this product is covered by this warranty.
- If it is difficult to confirm the warranty period, the warranty period will be applied 15 months after the date of manufacture.
- The defective from product's production will be repaired or replaced free of charge depending on the condition.
- Damage caused by user's negligence will not be covered under the warranty period.
- Repairs other than designated service centers are excluded from the warranty.
- The service period will not be extended after repair for free or for charge.
- This warranty will not be reissued.

THANK YOU
