

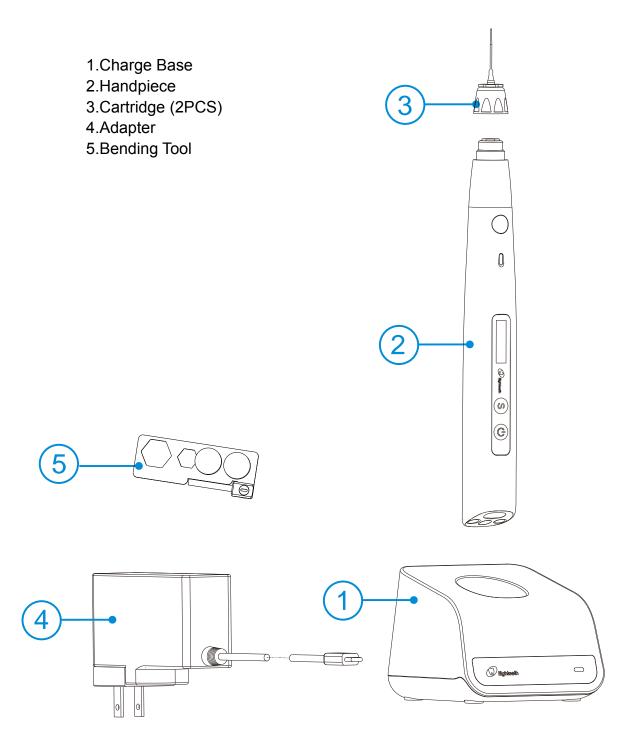
Fast-Fill USER MANUAL

Content

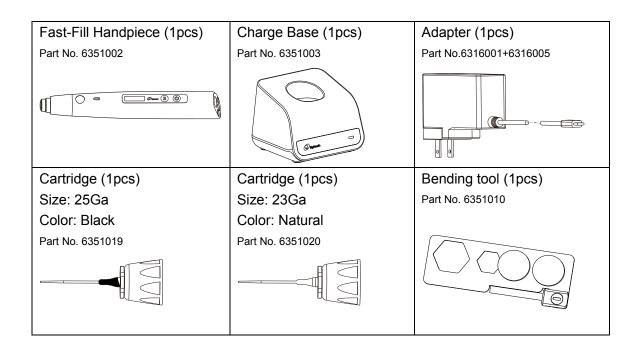
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1. Scope of Fast-Fill

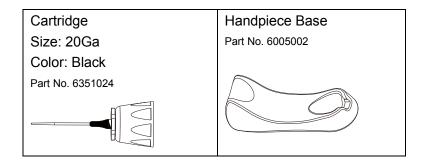
1.1 Parts Identification



1.2 Components and Accessories



1.3 Options (sold separately)



2. Symbols used in the User Manual

	If the instructions are not followed properly, operation may lead to hazards for the product or the user/patient.	
ΝΟΤΕ	Additional information, explanation of operation and performance.	
SN	Serial number	
REF	Catalogue number	
	Manufacturer	
	Date of manufacture	
LOT	Lot of manufacture	
	Class II equipment	
*	Type B applied part	
CE	CE marking	
	Direct current	
	WEEE directive marking	
Ť	Keep dry	
134℃ {{{	Can be autoclaved up to a maximum temperature of 134° Celsius	
EC REP	Authorized Representative in the European Community	
-20°C	Temperature limitation	
20%	Humidity limitation	
70kPa	Atmospheric pressure limitation	
	Manufacturer's LOGO	
8	Consult instructions for use	
١Ť	Washer-disinfector for thermal disinfection	

3. Before Use

3.1 Intended Use

Fast-Fill is intended for heating and extruding Gutta-percha into cleaned and shaped canals during root canal treatment.

This device must only be used in hospital environments, clinics or dental offices by qualified dental personnel and not used in the oxygen-rich environment.

3.2 Contraindications

This device must not be used in cases where a patient has been fitted with an implanted heart pacemaker (or other electrical equipment) and has been cautioned against the use of small electrical appliances (such as electric shavers, hair dryers, etc.)

Safety and effectiveness have not been established in pregnant women and children.

WARNING

Read the following warnings before use:

1. The device must not be placed in humid surroundings or anywhere where it can come into contact with any type of liquids.

2. Do not expose the device to direct or indirect heat sources. The device must be operated and stored in a safe environment.

3. The device requires special precautions with regard to electromagnetic compatibility (EMC) and must be installed and operated in strict compliance with the EMC information. In particular, do not use the device in the vicinity of fluorescent lamps, radio transmitters, remote controls and do not use this system near the active HF Surgical Equipment in the hospital. Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Fast-Fill, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result. Do not charge, operate or store at high temperatures. Comply with the specified operating and storage conditions.

4. Gloves and a rubber dam are compulsory during treatment.

5. If irregularities occur in the device during treatment, switch it off. Contact the agency.

6. Never open or repair the device yourself, otherwise, void the warranty.

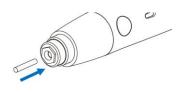
7. Cautions should be exercised when use the device to fill the teeth with thin dentinal root walls.

4.Installing the Fast-Fill

4.1 Installation of Gutta-

percha

Push the Gutta-percha into the handpiece.

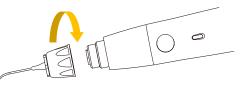




This product is not included the Guttapercha. Please use the Gutta-percha that is recommended by Sifary. Refer to the Technical data of this manual for the recommended Gutta-percha size.

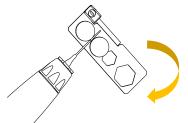
4.2 Installation of Cartridge

Screw the cartridge along the thread of the handpiece to install.

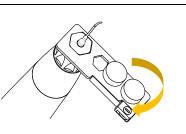


The needle on cartridge cannot be turned or bended by hand.

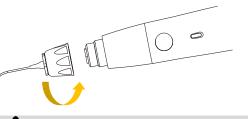
Use bending tool to bend the needle.



Use bending tool with the hexagonal hole matched to rotate the needle.

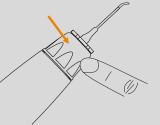


Unscrew the cartridge from the handpiece to disassemble.

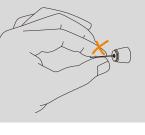




To remove the cartridge. As shown in the picture, touch the flow heater with finger rapidly, make sure it is not hot before operation. If the temperature is too high, waiting 3~5 minutes till it is cooling.

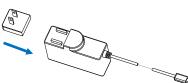


Even if the cartridge cools down already, we strongly recommend not to touch the needle on cartridge. There is a risk of heat injury or damage the cartridge. Hold the black shell to remove.



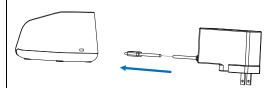
4.3 Installation of adapter

Plug the head into the base if they are separated in the package.



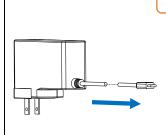
4.4 Connecting charge base

Plug the USB of adapter into the charge base, and plug the other end into a power outlet.



The Power LED on charge base will light up in green.

Power LED



ΝΟΤΕ

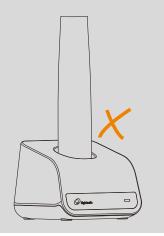
Only the original adapter could be used.

Put the handpiece all the way into the charge base. The charge state will show on the screen.





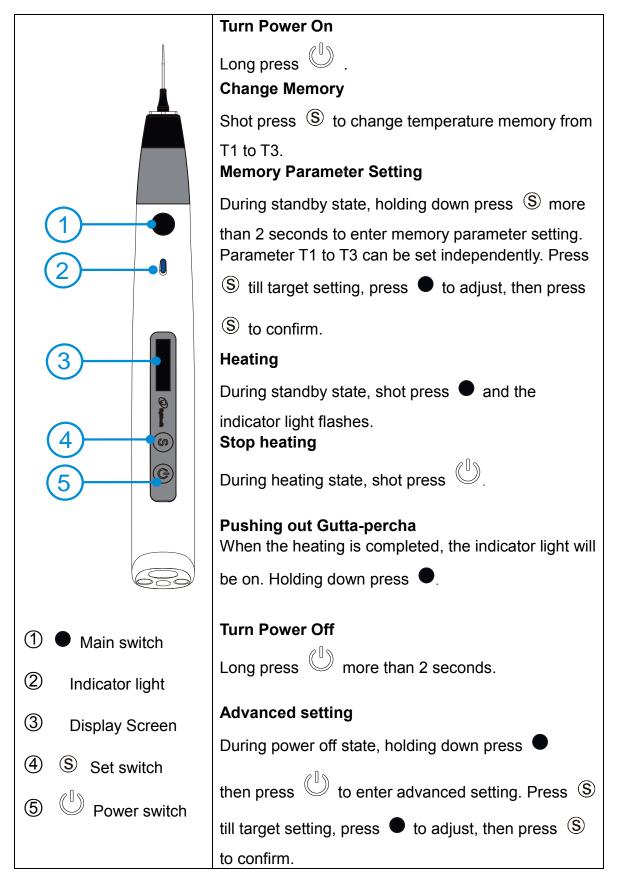
Put the handpiece into the charge base in the right direction, otherwise the handpiece will not be charged.



If only need a base to put the device on dentist element of dental chair (without charge function), handpiece base is recommended to use instead of charge base.



5.Use Interface



6.Setting

6.1 Memory Parameter Setting

	Fast-Fill has 3 memory programs (T1,T2,T3),
T 1 160°C GP 100%	press ^S to change during standby state, the memory number will change accordingly.
	During any memory, holding down press ${}^{\textcircled{ m S}}$ in 2
Tomporoturo	seconds, the "Temperature" of this memory can be changed.
Temperature 160 °C	Press till target temperature, the temperature
	can be set from 100℃ to 200℃.
	Press ${}^{\textcircled{S}}$ to confirm and enter next interface.
	The "Push Speed" of this memory can be changed.
Push Speed	Press $ullet$ till target speed, the speed can be set
Mid	Low, Mid, High.
	Press ${}^{\textcircled{S}}$ to confirm and enter next interface.
	The "Change GP" can be chosen. Confirm the Gutta-percha need to change or not,
	press • to adjust.
Change GP	
No Yes	If choose "No", Press (\mathbb{S}) to confirm and return to
	standby interface. If choose "Yes", see chapter 7.3 Changing Gutta- percha for more information.

6.2 Advanced Setting

AutoPowerOff 5 Min	During power off state, holding down press ● then press ⁽¹⁾ to enter advanced setting, the "AutoPowerOff" will appear on the display screen. Press ● to adjust, the auto power off time can be set to 5, 10 and 15 minutes. Press ^(S) to confirm and enter next interface.
Beep Volume Vol 1	The "Beep Volume" can be changed. Press ● to adjust. The "Beep Volume" can be set to 0, 1 and 2. Press ⑤ to confirm and enter next interface.
RestoreSettings NO YES	 The "RestoreSettings" can be changed. Press ● to adjust, press ⑤ to confirm and enter next interface. <i>NOTE</i> If choose "YES", all the setting parameters will be covered by factory settings.
Save NO YES	 The "Save" can be chosen. Confirm the setting need to save or not, press ● to adjust, press ⑤ to save and power off.

7.Operation

7.1 Charge

	Display the present remaining amount of the battery. Less than 15% remains, please charge.
	If the power if less than 15%, the device must be recharged within 30 days, otherwise the battery will be damaged. Charge without charge base is also available, connect adapter to handpiece directly, the charge state will show on the
Alternative charging method	screen. Charge with charge base is recommended (See chapter 4.4 Connecting charge base)
	Only the original adapter could be used. Do not use the handpiece during the charging.
5	Charging indication appears on the screen, and flashes slowly, when battery is fully charged or in a state near full charge, the flash will stop. Fully charged will take about 4 hours, depending on residual battery power and battery state. It can be recharged 300-500 times, depending on the operating conditions of the device.
	WARNING Do not change the battery, only trained technician or distributor can change the battery. The electronic parts will be damaged if use a wrong battery or install with a wrong way.

7.2 Heating and Using

	Shot press • to heat the cartridge during standby state.
	ΝΟΤΕ
	Push out insufficiently warmed Gutta-percha about 10mm before each use.
	The LED flashes in blue slowly during heating. When up to target temperature, the flash will stop and stay in blue.
	WARNING
	If the handpiece is not operated for a long time
	after the heating completed, press $$ to stop heating.
	Do not place the heated cartridge in the root canal for more than 5 seconds to prevent thermal injury to the patient.
	1 Heating indication, When the set
	temperature is reached, heating process will
1 2 3 4 ∭ <<< 160°C	switch off and " 🗳 " will display on screen.
	Direction of pushing
	③ Real time heating temperature
	④ Gutta-percha residual
	After heating completed, hold down press $lacksquare$
1 ② ✓ 160°C	to push out Gutta-percha. At the same time,
	1 the light of direction flashes, 2 the
	residual Gutta-percha bar will change according. Press
	standby interface.

ΝΟΤΕ

If there is a little residual Gutta-percha in handpiece or cartridge, tighten the cartridge again to prevent leak Gutta-percha after heating.

If there is too much residual Gutta-percha in handpiece or cartridge, please refer to daily cleaning process.

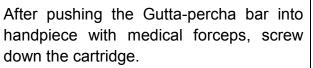
Please use good mobility Gutta-percha, otherwise the Gutta-percha will leak. If leaking please refer to daily cleaning process.

7.3 Changing Gutta-percha

Change GP No Yes	During standby state, holding down press ⑤ in 2 seconds to entry memory parameter setting. Press ⑤ till "Change GP". Press ● till "Yes" and press ⑤ to confirm.
Heating	Firstly, the handpiece will heat to about 150°C to melt the residual Gutta-percha.
/</th <th>Secondly, the pushrod pushes forward until the Gutta-percha is exhausted. the direction of push rod movement displays on the screen.</th>	Secondly, the pushrod pushes forward until the Gutta-percha is exhausted. the direction of push rod movement displays on the screen.
>>>>	Then, the direction and position of push rod display on the screen. The push rod needs returning to original position. This operation needs about 50 seconds.
Please insert GP	Finally, when the push rod is back to original position, "Please insert GP" will display on the screen. Press any key to exit and return to standby interface.
Δ <i>NOTE</i> During this state, press ⁽¹⁾ can stop and return to standby interface.	

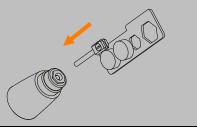
7 Operation

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If there is some Gutta-percha in the handpiece, it is inconvenient to install the Gutta-percha bar. Push the residue to the bottom of cavity with the pin on bending tool.

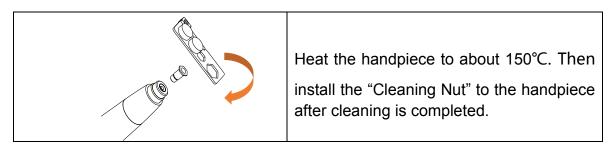


8.Maintenance

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8.1 Piston cleaning

Piston cleaning	
	Heat to 150° C to melt Gutta-percha, then remove the cartridge.
⋘ 150°C	
	A small amount of Gutta-percha residue have no effect of function.
	Clean the residue inside the cartridge needle with medical forceps.
	Clean the overflow Gutta-percha on the top of the handpiece with medical forceps.
	When the medical forceps cannot get into the cavity to clean, Heat the handpiece to about 150℃, then unscrew the "Cleaning Nut" with the bending tool.
	Heating to 150°C to avoid damaging the
	"Cleaning Nut".
The second	Clean the inside of nut with medical forceps.



8.2 Changing silver tube of cartridge

If the silver tube of cartridge broken, it can be replaced according to the following steps.

ысрэ.	•
	Cut the broken silver tube from the step where the arrow indicates with knife.
	Push out the silver tube with the bottom plane of the bending tool.
	Unscrew the cap from the cleaning rod.
	As shown, push out the silver tube completely with the cleaning rod.

8 Maintenance

Insert the new silver tube as shown in the
figure.
There are two different specifications of the silver tube:
Part number:6351208 size: silver tube (25Ga)
Part number:6351209 size: silver tube (23Ga)
Need to order from distributor.
Screw the cap into the cleaning rod.
Push the cleaning rod against the bottom of the silver tube and press it into place. NOTE If the installation is not in place, please contact the supplier to use professional tools for maintenance.

8.3 Cleaning, Disinfection and Sterilization

8.3.1 Foreword

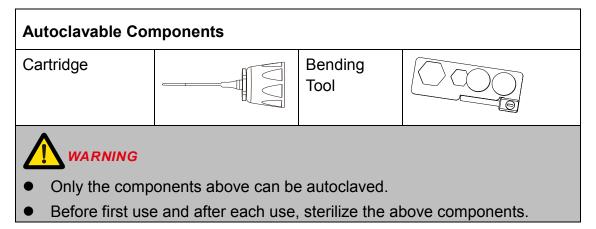
The parts for clinical application contamination are the outer surfaces of the cartridge and bending tool. For hygiene and sanitary safety purpose, the components (cartridge and bending tool) must be cleaned, disinfected and sterilized before each usage to prevent any contamination. This concerns the first use as well as the subsequent uses.

Comply with your national guidelines, standards and requirements for cleaning, disinfection and sterilization.

8.3.2 General recommendations

- The user is responsible for the sterility of the product for the first cycle and each further usage as well as for the usage of damaged or dirty instruments, where applicable after sterility.
- For your own safety, please wear personal protective equipment (gloves, safety glasses, etc.).
- Use only a disinfecting solution which is approved for its efficacy (VAH/DGHMlisting, CE marking, and FDA approval) and in accordance with the DFU of the disinfecting solution manufacturer.
- The water quality has to be convenient to the local regulations especially for the last rinsing step or with a washer-disinfector.
- Thoroughly clean and wash the components before autoclaving.
- Do not clean the cartridge with an ultrasonic cleaning device.
- Do not use bleach or chloride disinfectant materials.

8.3.3 Autoclavable Components



STEP NO.	INSTRUCTIONS			
		Immediately after using, wipe gross contaminations from the components, and put them in container for transportation.		
		Prepare the components directly after treatment.		
1	Initial treatment at point of use	Do not submerge the components or wipe them with any of the following functional water (acidic electrolyzed water, strong alkaline solution, or ozone water), medical agents (glutaral, etc.), or any other special types of water or commercial cleaning liquids. Such liquids may result in metal corrosion and adhesion of the residual medical agents to the components.		
2	Preparation before	Remove and disconnect the Cartridge before cleaning. Refer to "Chapter 4-Installing the Fast-Fill" of this manual for disassembly instructions.		
	cleaning	WARNING		
The follo	Observe suitable personal protective measures. ne following Step 3 to Step 5 are operated in a washer-disinfector:			
	ARNING			
 Use mair Follo (see 	 Use only approved washer-disinfectors according to EN ISO 15883, maintain and calibrate it regularly. Follow instructions and observe concentrations given by the manufacturer (see general recommendations). Sufficient rinsing step should be available in purified water (max 10) 			
gern ● Avoi	 germs/ml and max 0.25 endotoxin units/ml) Avoid any contact between the cartridge and any instrument, kit, support 			
	 or container. Make sure the components are dry before moving to the #6 step. 			
	Cleaning: Automated	Carefully put the components (Cartridge and Bending Tool) into the washer-disinfector and set the parameters as follows:		
3		 Pre-cleaning: water temperature <30°C, 2 min; 		
		- Cleaning: water temperature 45°C, 5 min; use an		
		enzyme detergent solution (mild and aldehyde free solution) which is suitable to be used with		

		washer-disinfector, and use in accordance with the IFU of the detergent solution manufacturer;
		- Rinsing: water temperature 45°C, 1 min (rinsing
		twice).
4	Disinfection: Thermal	Thermal disinfection at least 5 min at 90°C/194° F, make sure A0 value ≥3000. Rinse with purified water at 70°C for 1 minute.
5	Davina	
5	Drying	Heat: 20min, 90°C/194°F
6	Maintenance and Inspection	Inspect components and sort out those with defects. Dirty components must be cleaned and disinfected again.
7	Packaging	Pack each component in a separate steam- sterilization pouch.
		WARNING
		 Check the validity period of pouch given by the manufacturer to determine the shelf life. Use pouches which resist to a temperature up to
		141°C(286°F) and in accordance with EN ISO
0	Otorilization	11607.
8	Sterilization	Steam sterilization at 134°C at least 6 minutes.
		Minimum drying time after sterilization: 10 minutes.
		 Use only approved autoclave devices according to EN 13060 or EN 285.
		 Use a validated sterilization procedure according to ISO 17665.
		 Respect the maintenance procedure of the autoclave device given by the manufacturer. Use only this recommended sterilization procedure.
		 Control the efficiency (packaging integrity, no humidity, color change of sterilization indicators, physicochemical integrators, digital records of cycles parameters).
		 The sterilization procedure must comply with ISO 17665.
		Waiting for cooling before touching.
9	Storage	Keep the components in sterilization packaging in a

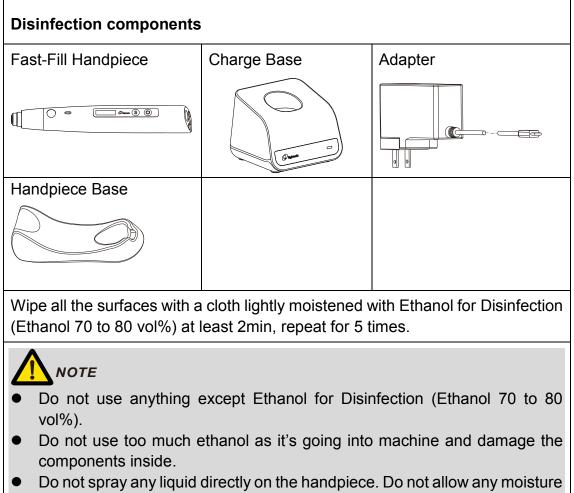
8 Maintenance

dry and clean environment.
WARNING
 Sterility cannot be guaranteed if packaging is open, damaged or wet.
 Check the packaging before using it (packaging integrity, no humidity and validity period).

ΝΟΤΕ

The instructions provided above have been validated by the manufacturer of the medical device as being capable of preparing a medical device for use. It remains the responsibility of the processor to ensure that the processing, as actually performed using equipment, materials and personnel in the processing facility, achieves the desired result. This requires verification and/or validation and routine monitoring of the process. Likewise, any deviation by the processor from the instructions provided should be properly evaluated for effectiveness and potential adverse consequences.

8.3.4 Disinfection components



to get into the handpiece.

9. Troubleshooting

When trouble is found, check the following points before contacting your distributor. If none of these are applicable or the trouble is not remedied even after action has been taken, the product may have failed. Contact your distributor.

Problem	Cause Solution		Ref. chap
The power is	The battery is flat.	Charge the battery.	7.1
not turned on.	Press the power switch too short time.	Long press the power switch.	5
	Using a wrong adapter.	Use the original adapter.	4.3
The power LED	The adapter is not connected.	Check the connection.	4.3
on charge base does not light.	The plug of the adapter is not inserted into the outlet.	Check the connection.	1
	There is no electricity in the outlet.	Check the connection.	/
	Put the handpiece into the charge base in the wrong direction.	Check the direction.	4.4
No charge indicator flash on handpiece	Charge pin of charge base is unable to rebound.	Remove debris which between move part and base of the charge pin.	1
screen.	Contactors are dirty.	Cleaning the surface of contactors.	/
	The charge base is broken.	Connect adapter to handpiece directly, and contact your distributor.	/
Handpiece screen does not appear.	The handpiece is broken.	Check if there is a sound of beep, and contact your distributor.	/
No sound.	Beep volume is set to 0.	Set beep volume to 1, 2 or 3.	6.2
No gutta percha out.	The cartridge is broken.	Use a new cartridge.	/

10.Technical Data

Manufacturer	Changzhou Sifary Medical Technology Co.,Ltd
Model	Fast-Fill
Dimensions	23cm x 17cm x 8cm \pm 1cm (Outer box)
Gutta-percha size	Diameter: 2.5mm-2.8mm Length: 14mm-16mm Applicable temperature: 100℃-200℃
Weight	1.1kg±10%
Power supply	Lithium ion battery: 3.7V, 2600mAh, \pm 10%
Charger power supply	AC 100-240 V, ±10%
Charger power output	6V3A
Frequency	50/60Hz, ±10%
Temperature	100℃~200℃
Electrical safety class	Class II
Applied part	В
Operating conditions	Use: in enclosed spaces Ambient temperature: 5°C ~ 40 °C Relative humidity: <80% Operating altitude < 3000m above sea level Atmospheric pressure: 70kPa-106kPa
Transport and storage conditions	Ambient temperature: -20 °C ~ +55 °C Relative humidity: 20% ~ 80 % Atmospheric pressure: 70kPa~106kPa

11.EMC Tables

Guidance and manufacturer's declaration – electromagnetic emissions				
The Fast-Fill is inten	The Fast-Fill is intended for use in the electromagnetic environment specified below. The			
customer or the user	of the Fast-Fill she	ould assure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment - guidance		
		The Fast-Fill uses RF energy only for its internal		
RF emissions	Group 1	function. Therefore, its RF emissions are very low		
CISPR 11	Gloup I	and are not likely to cause any interference in		
		nearby electronic equipment.		
RF emissions	Class B			
CISPR 11	Class D			
Harmonic		The Fast-Fill is suitable for use in all		
emissions	Class A	establishments, including domestic establishments		
IEC61000-3-2		and those directly connected to the public low-		
Voltage		voltage power supply network that supplies		
fluctuations/flicker	Complies	buildings used for domestic purposes.		
emissions	Compiles			
IEC 61000-3-3				

Guidance and manufacturer's declaration – electromagnetic immunity					
The Fast-Fill is intended for use in the electromagnetic environment specified below. The customer or the user of the Fast-Fill should assure that it is used in such an environment.					
Immunity test IEC 60601 test Compliance level Electromagnetic level environment - guidance					
Electrostatic discharge (ESD) IEC 61000-4-2	+/- 8 kV contact +/- 2 kV, +/- 4 kV, +/- 8 kV, +/- 15 kV air	+/- 8 kV contact +/- 2 kV, +/- 4 kV, +/- 8 kV, +/- 15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.		

Electrical fast	±2kV	±2kV	Mains power quality should be
transients/bursts	100kHz repetition	100kHz repetition	that of a typical commercial or
IEC 61000-4-4	frequency	frequency	hospital environment.
Surge	Line to line: ±0.5kV,	Line to line:	Mains power quality should be
IEC 61000-4-5	±1kV	±0.5kV, ±1kV	that of a typical commercial or
			hospital environment.
	Line to earth:	Line to earth:	
	±0.5kV, ±1kV,	±0.5kV, ±1kV,	
	±2kV	±2kV	
Voltage dips			Mains power quality should be
IEC 61000-4-11	0% UT; 0.5 cycle	0% UT; 0.5 cycle	that of a typical commercial or
	at 0°, 45°, 90°,	at 0°, 45°, 90°,	hospital environment. If the
	135°, 180°, 225°,	135°, 180°, 225°,	user of devices require
	270°, and 315°	270°, and 315°	continued operation during
			power mains interruptions, it is
	0% UT; 1 cycle and	0% UT; 1 cycle and	recommended that devices be
	70% UT; 25/30	70% UT; 25/30	powered form an
	cycles	cycles	uninterruptible power supply or
	sine phase at 0°	sine phase at 0°	a battery
Voltage	0% UT: 250/300	0% UT; 250/300	
interruptions	cycle	cycle	
IEC 61000-4-11			
Rated Power	30 A/m	30 A/m	Power frequency magnetic
frequency	50Hz or 60Hz	50Hz or 60Hz	field should be at levels
magnetic field			characteristic of a typical
IEC 61000-4-8			location in a typical
			commercial or hospital
			environment.
Note: UT: rated vol	tage(s); E.g. 25/30 cyc	cles means 25 cycles	at 50Hz or 30 cycles at 60Hz

Guidance and manufacturer's declaration – electromagnetic immunity					
The Fast-Fill is intended for use in the electromagnetic environment specified below. The customer or the user of the Fast-Fill should assure that it is used in such an environment.					
Immunity test IEC 60601 test Compliance level Electromagnetic environment - guidance					

			,
Conducted dis-	3 V	3 V	Portable and mobile RF
turbances	0.15 MHz – 80		communications equipment should
induced by RF	MHz, 6 V in		be usedno closer to any part of the
fields	ISM bands be-		Fast-Fill, including cables, than the
IEC 61000-4-6	tween 0.15		recommended separation distance
	MHz and 80		calculated from the equation
	MHz, 80 % AM		applicable to the frequency of the
	at 1 kHz		transmitter.
Radiated RF	3 V/m, 80 MHz	3V/m	Recommended minimum
EM fields	– 2,7 GHz,		separation distances
IEC 61000-4-3	80 % AM at 1		See the RF wireless communication
	kHz		equipment table in "Recommended
			minimum separation distances"
Proximity fields	See the RF	Complies	
from RF	wireless	Complies	
wireless	communication		
communication	equipment		
	table in		
equipment	"Recommende		
IEC 61000-4-3	d minimum		
	separation		
	distances"		

Recommended minimum separation distances

Nowadays, many RF wireless equipments have being used in various healthcare locations where medical equipment and/or systems are used. When they are used in close proximity to medical equipment and/or systems, the medical equipment and/or systems' basic safety and essential performance may be affected. The **Fast-Fill** has been tested with the immunity test level in the below table and meet the related requirements of IEC 60601-1-2:2014. The customer and/or user should help keep a minimum distance between RF wireless communications equipments and the **Fast-Fill** as recommended below.

Test frequency (MHz)	Band (MHz)	Service	Modulation	Maximum power (W)	Distance (m)	Immunity test level (V/m)
385	380-390	TETRA 400	Pulse modulation 18Hz	1.8	0.3	27
450	430-470	GMRS 460	FM	2	0.3	28

		FRS 460	± 5 kHz			
			deviation			
			1 kHz sine			
710			Pulse			
745	704-787	LTE Band 13,	modulation	0.2	0.3	9
780		17	217Hz			
810		GSM 800/900,				
870	_	TETRA 800,	Pulse			
	800-960	iDEN 820,	modulation	2	0.3	28
930		CDMA 850,	18Hz			
		LTE Band 5				
1720		GSM 1800;				
1845		CDMA 1900;	Dulas			
	1700 4000	GSM 1900;	Pulse	•		
	1700-1990	DECT;	modulation	2	0.3	28
1970		LTE Band 1, 3,	217Hz			
		4, 25; UMTS				
		Bluetooth,				
		WLAN,	Pulse			
2450	2400-2570	802.11 b/g/n,	modulation	2	0.3	28
		RFID 2450,	217Hz			
		LTE Band 7				
5240			Pulse			
5500	5100-5800	WLAN 802.11	modulation	0.2	0.3	9
5785	1	a/n	217Hz			



 Use of accessories and cables other than those specified or provided by the manufacturer of Fast-Fill could result in increased electromagnetic emissions or decreased electromagnetic immunity of Fast-Fill and result in improper operation.
 Cable information:

Cable Name	Cable Length (m)	Shielded or not	Remark
Adapter Cable	2	No	1

2. Use of **Fast-Fill** adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, **Fast-Fill** and the other equipment should be observed to verify that they are operating normally.

12.Statement

Service Life

The service life of Fast-Fill series products is 3 years.

Maintenance

MANUFACTURE will provide circuit diagrams, component part lists, descriptions, calibration instructions to assist to SERVICE PERSONNEL in parts repair.

Disposal

The package should be recycled. Metal parts of the device are disposed as scrap metal. Synthetic materials, electrical components, and printed circuit boards are disposed as electrical scrap. The lithium batteries are disposed as special refuse. Please deal with them according to the local environmental protection laws and regulation.

Rights

All rights of modifying the product are reserved to the manufacturer without further notice. The pictures are only for reference. The final interpretation rights belong to CHANGZHOU SIFARY MEDICAL TECHNOLOGY CO., LTD. The industrial design, inner structure, etc, have claimed for several patents by SIFARY, any copy or fake product must take legal responsibilities.



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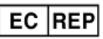
Add: NO.99, Qingyang Road, Xuejia County, Xinbei District, Changzhou City, 213000 Jiangsu, China

Tel: +86-0519-85962691

Fax: +86-0519-85962691

Email: ivy@sifary.com

Web: www.eighteeth.com



Llins Service & Consulting GmbH Tel: +49 175 4870819 Add: Obere Seegasse 34/2, 69124, Heidelberg, Germany Email: Llins.Service@gmail.com

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