

ProWash S

Automated Multistage Cleaning System
Designed for Digital Dentistry

Quick Start Guide

Version 2 - Updated on 06/28/22
Model SRP2208A

Congratulations!

Your new ProWash S is the world's most advanced system for cleaning 3D printed parts. Featuring improvements to our patented Mechanical Jetting™ technology and an all-new, cloud-connected onboard computer, your digital workflow just got a little simpler.

In this guide, you'll find everything you need to get started using ProWash S.

Training and Support

ProWash S comes with complimentary phone and email support. If you have questions, please get in touch:

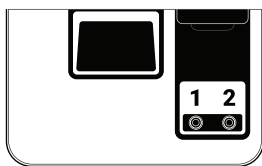
QR Code

Visit support.sprintray.com
Call 800-914-8004
Email support@sprintray.com

1 In the Box

ProWash S comes out of the box with most parts preinstalled.

The hydrometers are precalibrated for each chamber and will float when it's time to replace IPA. Read more about hydrometers in section 4.



ProWash S Device



Hydrometers
Pre-installed
(Section 4)



Power Adaptor



Power Cable



Basket
(Section 7)



USB Cable
(Section 12)



Onboarding
Card



Build Platform
Adaptor
(Section 6)



Metal
Tweezers
(Section 10)



Cleaning
Brush
(Section 9)



Drain Hose
Pre-installed
(Section 8)



Wash Filter
(Sections 2 & 9)



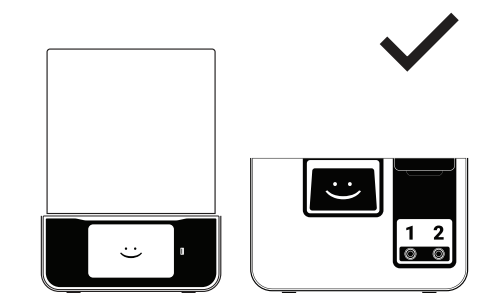
Magnet Sticker
(Section 6)

2 Where to Set Up

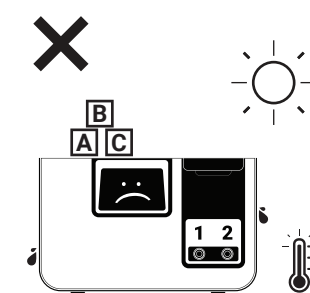
Set up ProWash S in a well-ventilated area on a level surface in a temperature-controlled room. Keep it away from windows and bright light sources.

Never place anything on ProWash S.

If possible, set ProWash S near your 3D printer and curing device for optimal workflow efficiency.



Level surface away from light and heat.

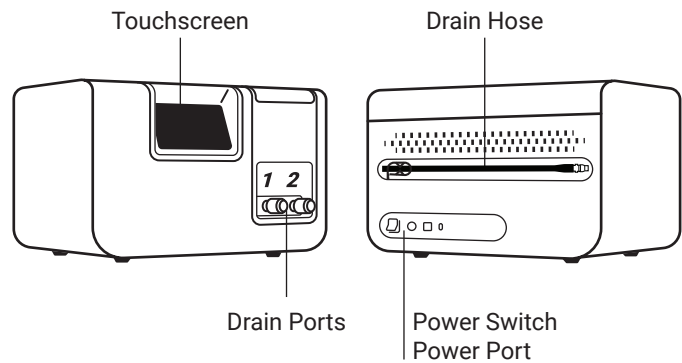


3 Plug in and Connect to Network

Use the provided power adaptor and cable to plug your ProWash S into a surge protector or uninterrupted power supply. Flip the switch on the back to the 'On' position.

On startup, ProWash S will prompt you to connect to a network. You can join an existing Wi-Fi network using the touchscreen or use an ethernet cable. Maintaining an internet connection will allow ProWash S to receive updates.

If you need to reset your ProWash S, switch it off and then unplug the power cable, wait 30 seconds, then plug it back in.



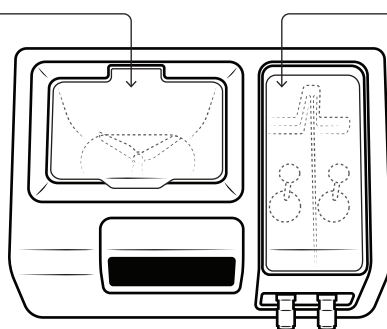
4 The Basics

Wash Chamber

This chamber is where parts are cleaned and dried. You can wash parts directly on the SprintRay build platform or remove and wash them in the basket. IPA will automatically pump in and out of the wash chamber from the IPA tanks.



Never pour IPA directly into this chamber; it should only be poured into the tanks



IPA Tanks

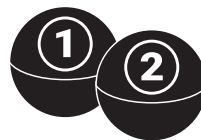
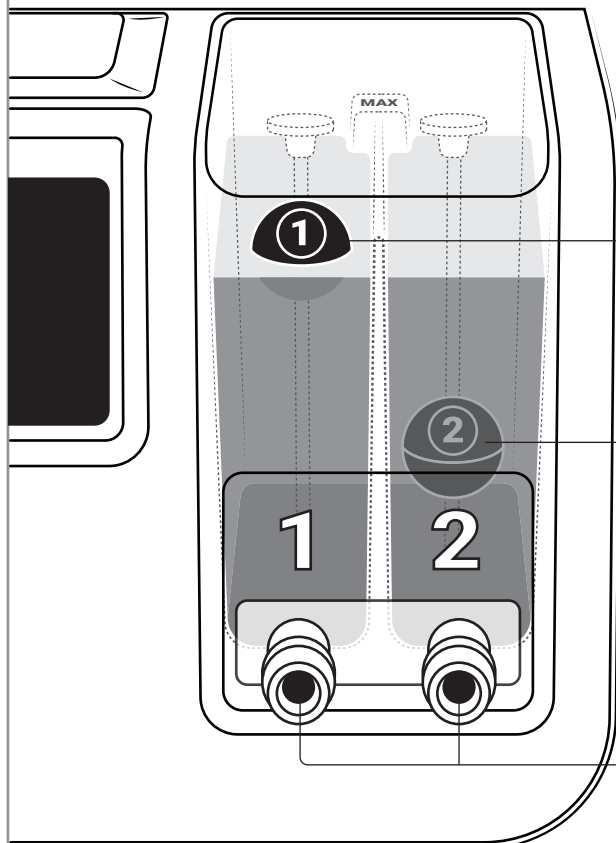
Pour IPA directly into these tanks. Each tank has a maximum capacity of 2 liters.

Tank 1

The IPA in this tank is used for the bulk wash, so it will need to be changed more often.

Tank 2

The IPA in this tank is used for rinsing, so it will not need to be replaced as often. It can be recycled into tank 1 for extended life.



Hydrometers

Over time, the IPA in ProWash S will become saturated with uncured resin and lose its cleaning effectiveness.

The hydrometers are precalibrated to measure resin saturation and will float when it is time to replace IPA.



Floating Hydrometer = Replace IPA

A floating hydrometer indicates that IPA has become saturated with resin and will no longer effectively wash your prints. Drain the tank, clean, and fill with clean IPA.



Submerged Hydrometer = IPA Okay

When a hydrometer is submerged, the IPA in the tank is acceptable and ready for use.



Failure to replace IPA when a hydrometer floats will void your warranty

Drain Ports

Each tank has a drain port designed to mate with the drain hose attached to the back of the machine. Refer to Section 8 for instructions on how to drain.

5 How to Add IPA



Always wear gloves and proper eye protection.

Open the tank lid and add at least 500mL of IPA 91% or greater to each tank. IPA 99% and ethanol may also be used depending on preference, availability, and material requirements.

If the volume of IPA is insufficient to run a cleaning cycle, the onboard computer will detect this and notify you.

Keep the tank lid closed to prevent the evaporation and contamination of IPA.



When new IPA is added, hydrometers may float for a few minutes before sinking



Minimum
500 mL
Required per tank

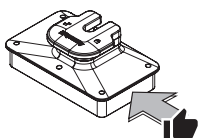
Maximum
2 Liters
Required per tank

6 Build Platform Information

Depending on which SprintRay 3D printer you have, you may need to attach a magnet and/or use a fitment adaptor when using ProWash S.

How to Install the Magnet

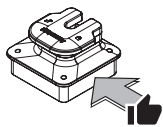
If using Pro95 or Pro55, you'll need to install the provided magnet to enable the platform wash. Thoroughly clean the side of the build platform before attaching the magnet sticker.



Pro95

Print Platform

Place magnet on the right side

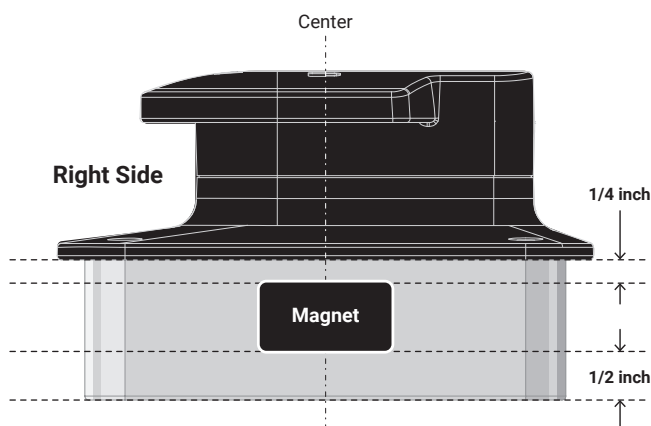


Pro55

Print Platform

Place magnet on the right side

Printer Model	Install Magnet	Use Adaptor
Pro95	Yes	No
Pro55	Yes	Yes
Pro95 S	No, It is embedded	No
Pro55 S	No, It is embedded	Yes



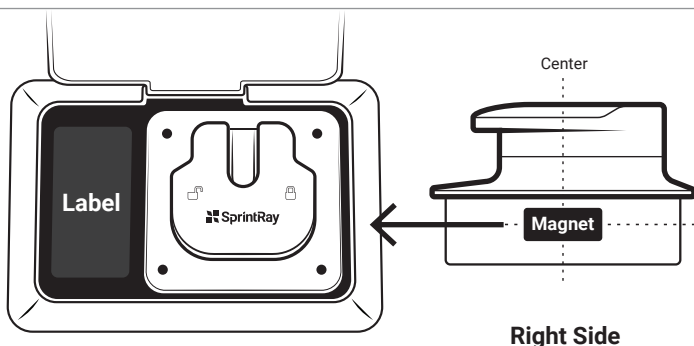
Using the Build Platform Adaptor

If using a Pro55 or Pro55 S, you'll need to use the included adaptor to enable the platform wash. Place the adaptor atop the wash chamber so that the opening is on the right and run a cleaning cycle as normal.



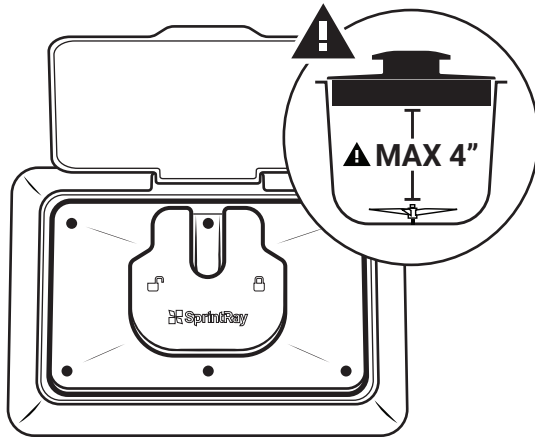
Build Platform Adaptor

Compatible with Pro 55 and Pro 55s



7

How to Wash with ProWash S



Print Platform Wash

Remove the basket and place the Pro95/S build platform in the wash chamber. If using Pro55/S, use the provided adaptor (see Section 7). Use the touchscreen to select a cleaning cycle.

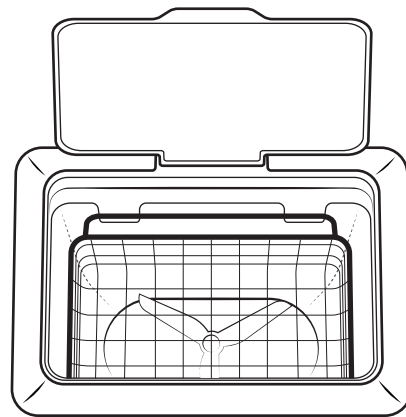
The system will not start until a platform is detected.

Recommended for:

- Models shorter than 4"
- Solid models
- Models for aligners
- Surgical guides
- Night guards

! WARNING!

When washing with the build platform, remove the basket from the wash chamber



Basket Wash

To use the basket, place models inside and close the lid. Use the touchscreen to select a cleaning cycle.

The system will not start if the lid is open.

Recommended for:

- Models taller than 4"
- Hollow/shell models

! WARNING!

Do not stack models or crowd them together, as this can greatly reduce wash efficiency

Combination Wash

To perform a combination wash, perform a full cleaning cycle with the build platform. Remove the models and place them in the basket. Select 'Extra Rinse' from the onboard computer, or run a second cleaning cycle from the home screen.

Recommended for:

- Highly viscous resins
- Large print batches
- Dense supports
- Complex geometries

! WARNING!

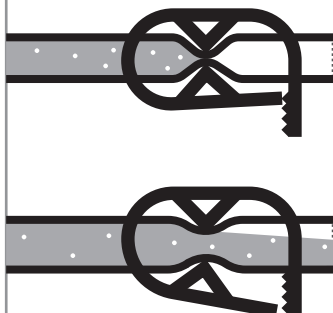
Consult your materials IFU to determine if a combination wash is recommended

8

How to Drain IPA from the Tanks

ProWash S comes out of the box with the drain hose clipped to the back.

To drain a tank, press the metal inlet tip into the drain port until it firmly clicks into place. Once connected, IPA will run through the hose. To disconnect, firmly slide the outer ring of the drain port away from you.

**Locked**

Solvent will not flow through the hose.

**Unlocked**

Solvent will flow through the hose.

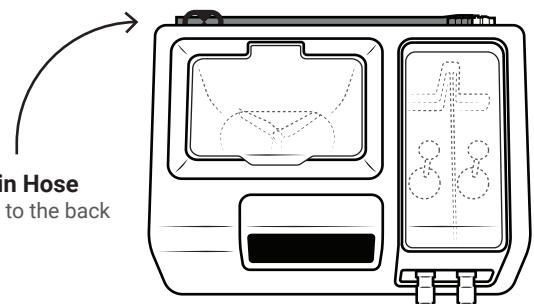
Drain Hose
Clipped to the back

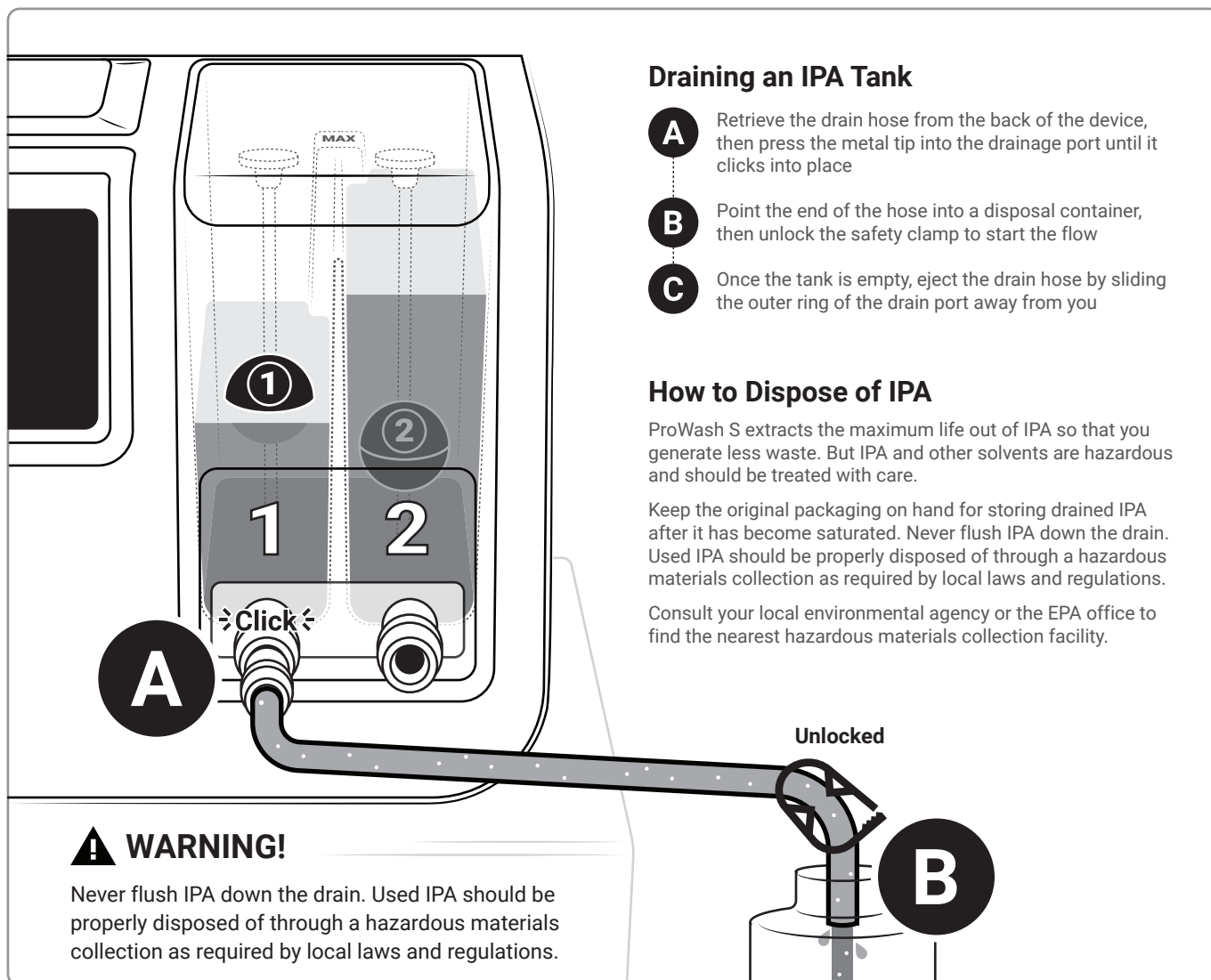
Safety Clamp

When closed, this clamp stops the flow of IPA to prevent accidental drainage.

**Metal Inlet Tip**

This metal tip is designed to quickly connect to the drain ports on the front of ProWash S.





9 How to Clean ProWash S

Clean Wash Chamber

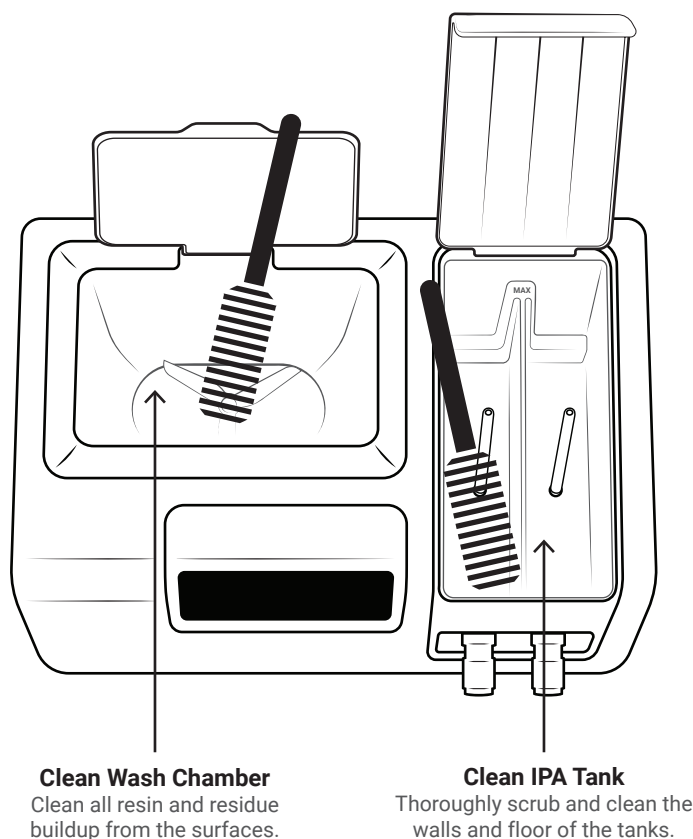
Scrub the inside and walls of the chamber and remove debris. When prompted by the onboard software, follow the procedure in Section 11 to clean the filter.

Clean an IPA Tank

- A** Remove the rubber stop, then slide the hydrometer out of the tank
- B** Use the provided brush to scrub the inside of the tank, including the walls
- C** Flush the tank by pouring in a small volume of IPA or water, then draining
- D** Replace the hydrometer into its corresponding tank

WARNING!

For best results, clean the tanks every time you refresh IPA. The wash chamber should be cleaned periodically as well.



10 How to Clean the Wash Filter

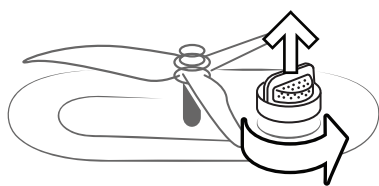
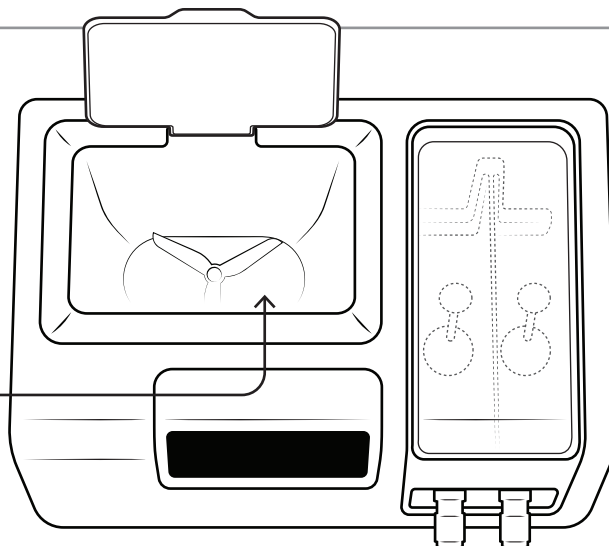
ProWash S has a mesh filter that protects the plumbing from resin and other debris. The filter should be cleaned when prompted by the onboard software. If the filter is damaged or cannot be cleaned, it should be replaced.

Start by Locating the Filter

In the wash chamber near the propeller

! WARNING!

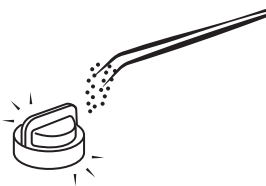
The secondary mesh below the removable filter should never be removed



A

Remove

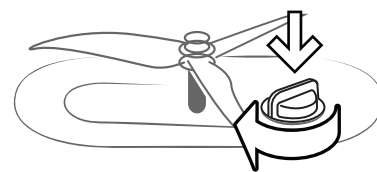
Clear the area around the filter to ensure no debris falls into the plumbing when it is removed. Turn counter-clockwise by hand to unscrew.



B

Clean

Flush the filter with IPA to remove resin debris. Use the provided tweezers to remove any additional debris from the mesh.



C

Reinstall

Replace the filter and turn it clockwise to hand tighten.



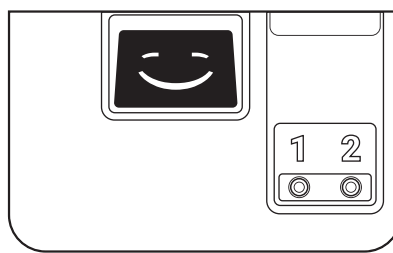
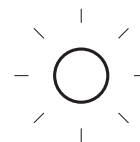
Care for Environment

SprintRay ProWash S uses patented technology to improve the efficiency of the washing and drying processes. It's better for your pocketbook and better for the environment.

Here are three easy tips to help you go the extra environmental mile with your used isopropyl alcohol (IPA):

- 1 **Never flush IPA down the drain**
- 2 **Keep all IPA packaging for storing used IPA**
- 3 **Set up IPA recycling with a materials disposal company**

For additional information, visit support.sprinray.com



Y Y Y

FCC Warning:

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC ID:2A78L-SRP2210A