TYVASO® INHALATION SYSTEM

Instructions for Use





Table of Contents

| General Instructions |
|--|
| Introduction |
| Preparing for Treatment With TYVASO |
| Preparing the Use Environment for Treatment |
| Markings, Indicators, and Symbols |
| Gathering Supplies |
| Setting Up Your TYVASO Inhalation System |
| Filling the Inhalation Device Chamber and Medicine Cup |
| Assembling the Inhalation Device |
| Turning On the Inhalation Device |
| Setting the Number of Breaths in a Treatment Session |
| Inhaling Your Medicine (TYVASO) |
| Storing the TYVASO Inhalation System Between |
| Treatment Sessions |
| Cleaning and Maintenance of the |
| TYVASO Inhalation System |
| End of Day Cleaning of the Accessories |
| Weekly Cleaning |
| Monthly Refill Kit |
| Device Replacement |
| Charging Your TYVASO Inhalation System |
| Rechargeable Battery |
| Troubleshooting the TYVASO Inhalation System |
| Specifications |
| Glossary |
| Warranty Information |
| |

General Instructions

The TYVASO Inhalation System should be handled with care. Follow these important instructions to ensure proper use:

- Always unplug the device after each use.
- Do not immerse the device in water or other liquids.
- Do not place the device in a microwave or regular oven.
- Do not place the device or use the device in the presence of strong electric or magnetic fields (eg, microwave oven, magnetic imaging equipment).
- Do not leave the device alone with a small child.
- Do not use the device near flammable liquids and materials or heated surfaces
- Read the instructions carefully and completely to prevent damage to your TYVASO Inhalation System and help you get the best results.
- This device should only be used on the order of your doctor or licensed healthcare practitioner.
- Ensure the breath counter is correctly programmed prior to beginning a treatment (see page 14).
- Do not peel or remove the labels from device.
- Do not drop the device.

Introduction

Your doctor has prescribed TYVASO® (treprostinil) Inhalation Solution. Please see the accompanying Patient Package Insert for important safety information on TYVASO.

TYVASO is breathed in (inhaled) using the TYVASO Inhalation System, which consists of the inhalation device and its accessories.

These Instructions for Use (IFU) for the TYVASO Inhalation System provide important safety information. It is important that you read these instructions and the TYVASO Patient Package Insert (PPI) before setting up and using the TYVASO Inhalation System. If you have any questions, talk to your doctor or speciality pharmacy provider.

Before beginning treatment with TYVASO, you will receive either a Patient Starter Kit containing a 28-day supply of TYVASO or an Institutional Starter Kit containing a 4-day supply of medication. Both kits include two (2) complete inhalation devices (all accessories and supplies included). When you refill your prescription for TYVASO each month, you will receive a Refill Kit that contains a 28-day supply of TYVASO and new accessories. You will receive a replacement device every two (2) years.

IMPORTANT

- Do not start treatment with TYVASO until you have been trained to use the TYVASO Inhalation System. Make sure you understand all of the directions. Always ask your doctor or specialty pharmacy provider if you have any questions or are unsure of anything you are taught.
- TYVASO is for use only with the TYVASO Inhalation System.

Preparing for Treatment With TYVASO Preparing the Use Environment for Treatment

Follow these important instructions before setting up your treatment:

- Use the device in a quiet, distraction-free area.
- Try to use the device at times when your treatment will not be interrupted. If you encounter any distractions during treatment, you can pause your treatment (see page 19).
- Use the device in a comfortable space where you can stand or sit in an upright position that allows you to take deep breaths.
- Use the device in an area that provides enough space for the TYVASO Inhalation System and its accessories.
- Gather all necessary supplies before starting to prepare for treatment (see pages 6 and 7).
- The TYVASO Inhalation System is recommended for use indoors.
 Be sure to use and store the inhalation device in environments that match the specified temperature and humidity ranges (see Specifications on page 36).

Markings, Indicators, and Symbols

Inhalation device



"START/STOP"
Treatment Button Begins or pauses
treatment.

"ON/OFF" Button -Switches between fully on and fully off power states. The device is equipped with a multifunctional status light and a separate control light for inhalation.

Control light for inhalation

- Green light on Inhale
- O Green light off Exhale, then breathe normally

Status light

- Yellow ready for operation
- Green device in operation
- Red device error indication

Device Display Messages

- Displays the number of breaths in an active cycle.
- (PA) Pause Displayed if user pauses a treatment session.
- (En) End Displayed when a treatment session is complete.
- (LH) Low Hydrogen (ie, Low Water) Displayed if device detects wrong or missing contact fluid in chamber.
- (LB) Low Battery Displayed if device battery does not have enough power to start a treatment.

Device markings



The TYVASO Inhalation System complies with the requirements of Protection Class II. Class II equipment provides additional precautions, over and above basic insulation, to provide protection against electric shock.



Please read the accompanying instructions and labels for important information regarding the TYVASO Inhalation System.



The TYVASO Inhalation System has a Type B Applied part. Type B Applied parts comply with specific requirements to provide protection against shock and are not suitable for direct cardiac applications.

! Rx Only

The TYVASO Inhalation System should only be used on the order of your doctor or licensed healthcare provider.



The TYVASO Inhalation System requires a 12V DC power supply.

Gathering Supplies

Gather the following supplies before starting treatment. Use only the parts and accessories that are provided with your starter kit or in the monthly refill kit. Note: supplies are not shown to scale.

1. Inhalation device



2. Water Level Cup with 45 mL of distilled water



Use only distilled water to fill your inhalation device once per day.

3. Pack of TYVASO ampules



Use one (1) ampule per day.

4. One of the provided power sources



AC wall plug (2)



Rechargeable battery



12V DC adapter

5. Accessories



Medicine cups*



Dome assembly with baffle plate inside*



Inhalation piece*



Mouthpiece* Two (2) Filter shells*



Filter membranes (use two (2) per day)*





Treatment Tracker*



Carrying case



Distilled water carrier (optional)

Note: Supplies are not shown to scale.

*These accessories are replaced every month. Replacement accessories are included in the Monthly Refill Kit.

Setting Up Your TYVASO Inhalation System

Filling the Inhalation Device Chamber and Medicine Cup

Before using the TYVASO Inhalation System, you should:

· Wash your hands



- . Make sure the device is NOT connected to a power source
- Make sure the device is resting on a stable, flat surface during assembly

ONLY USE DISTILLED WATER in the device Distilled water is highly purified water that can be purchased at most grocery stores and pharmacies. It is necessary for the device to function properly. If you use another type of water (such as bottled or tap water), the device may not function properly.

Fill the white chamber inside the device with approximately 45 mL of distilled water (about 1.5 ounces), using the water level cup provided. Fill the cup until water level is between the two arrow markings.



There is a silver sensor on the inside wall of the chamber. The water level should be above the silver sensor and below the blue ring in the device chamber. DO NOT OVERFILL the chamber, or the medicine cup will not fit correctly. Check the water level after filling the chamber



Obtain one (1) medicine cup and inspect it for any damage, holes, cracks, or dents. Do not use the medicine cup if it is damaged.

Insert the empty medicine cup into the chamber of the device, making sure that the cup's bottom tip is in the distilled water. The cup will sit on the blue ring.



↑ CAUTION

Make sure you insert only one (1) medicine cup. Inserting multiple cups will prevent the flow of medicine

Carefully cut open the top of the foil pouch. making sure not to cut the ampules. Each pouch contains four (4) ampules.

Remove one (1) ampule of TYVASO. Keep unused ampules in the foil pouch because the TYVASO medicine is sensitive to light.

One (1) ampule contains enough medicine for one (1) day of treatment no matter how many breaths your doctor has prescribed.



⚠ CAUTION

Ampules must be used within seven (7) days of opening foil pouch.

Open only (1) pouch at a time. Discard any unused ampules after seven (7) davs.

Gently hold the ampule in the upright (topup) position and twist off its top.



↑ CAUTION

If any medicine from the ampule spills on your hands, wash your hands immediately.

Medicine contact with the skin can cause irritation.

Point the ampule straight down toward the medicine cup's center to avoid spills.

Gently squeeze the medicine out of the ampule into the medicine cup. Squeeze until it is empty. Check to see that all of the medicine is in the medicine cup.







Assembling the Inhalation Device

The TYVASO Inhalation System is designed so the parts only fit together properly one way.

When the device is assembled correctly, the parts should fit together easily.

Do not force the parts together.



Visually check to make sure the blue plastic baffle plate and black ring are correctly placed in the dome assembly. They should appear as they do in the images below.

In the unlikely event that the baffle plate is loose or disconnected, use a new dome assembly. If you need to order a new dome assembly, contact your specialty pharmacy provider.





Align the raised circle on the side of the dome assembly with the circle on the side of the device. Push down and screw the dome assembly onto the device clockwise (right) until you hear a click, indicating the dome assembly is fully connected to the medicine cup. When the dome assembly is properly aligned, the filter shell port will point to the back of the device.



IMPORTANT

The dome assembly "clicks" only the first time it connects to the medicine cup. If you then realign the dome assembly you will not hear another click.

Insert the inhalation piece into the upper opening of the dome assembly and rotate toward the front of the device. Gently push down the inhalation piece to make sure it is securely inserted in the dome assembly.



Insert the mouthpiece into the inhalation piece.



Each day you will need to use a new filter membrane in each filter shell.

To install a new filter membrane:

- Open the filter shell by unscrewing the two (2) halves.
- Place a new filter membrane in one (1) of the filter shell
- Close the filter shell by screwing the two (2) halves together until you can twist no further.

Note: New filter shells come with fresh filter membranes already installed.





Assembling the Inhalation Device (continued)

E

Insert one (1) of the filter shells into the filter shell port on the side of the dome assembly and insert the other filter shell into the port on the bottom of the inhalation piece. The two (2) filter shells are identical and can be used in either opening.

Make sure to insert the filter shells straight into their ports, rather than at an angle. If necessary, rotate the inhalation piece so you can insert the filter shell without the device getting in the way.



7

When the device is fully assembled, it should appear as it does in the photo below.

For convenience, rotate the inhalation piece so you can best see the indicator lights and display screen, which provide important prompts during your treatment.



Turning On the Inhalation Device

1

Connect your device to one (1) of the power source options by plugging one end of the power cord into the back of the inhalation device and the other end into the power source.

If using the AC wall plug, make sure to plug the output cable into the device before plugging adapter into the power source.

If using the rechargeable battery, make sure it is not also plugged into the AC wall plug.



.

To turn on the device, press and hold the ON/OFF button for approximately three (3) seconds. When you hear a short beep and the yellow status light is illuminated, release the ON/OFF button. Remember to press the center of the ON/OFF button when powering the device on or off.

When the power is on, the display screen will show the last number of breaths programmed and a yellow light will appear next to the screen.

Make sure the number matches the prescribed number of breaths for that treatment session. If it does not match, see the next page for instructions on setting the number of breaths in a treatment session.



Setting the Number of Breaths in a Treatment Session

You will inhale TYVASO during four (4) treatment sessions each day. During each treatment session, you will take a series of breaths through the mouthpiece of the TYVASO Inhalation System.

Your doctor will prescribe the number of breaths you should inhale in each treatment session.

You should record the number of breaths in your Treatment Tracker



1

Make sure the device is powered off. To power off the device, press and hold the ON/OFF button for three (3) seconds. When you hear a short beep and the display screen turns off, release the ON/OFF button

To set the number of breaths, press and hold both the START/STOP and ON/OFF buttons at the same time until the display flashes and the device emits three (3) short beeps.

The flashing display indicates the inhalation device is in breath programming mode. You cannot begin a treatment while the display is flashing.



2

To increase the number of breaths press the + (ON/OFF) button.

To decrease the number of breaths press the — (START/STOP) button.

Remember to press in the center of the buttons.



3

Once you have entered your prescribed number of breaths, remove your hands from the device and wait approximately 15 seconds.

After approximately 15 seconds, the display will stop flashing and the device will emit three (3) short beeps, indicating that it has saved the new number of breaths. The new number of breaths will appear on the display.

Make sure the number of breaths on the display matches the number of breaths in your prescription. If the numbers do not match, repeat steps 1-3.





Inhaling Your Medicine, TYVASO® (treprostinil) Inhalation Solution

You will inhale TYVASO during four (4) treatment sessions each day. During each treatment session, you will take a series of breaths through the mouthpiece of the TYVASO Inhalation System.

IMPORTANT

Before inhaling your medicine, check the number on the display screen to make sure it matches the prescribed number of breaths for that treatment session. Record this value in your Treatment Tracker.



If the number of breaths on the display does not match the number of breaths in your prescription go to page 14 "Setting the Number of Breaths in a Treatment Session" and repeat steps 1-3.

Inhalation Tips

Technique:

When breathing each TYVASO treatment, be sure to keep the device level, directing the flow of medicine into the throat and not toward the roof of the mouth.

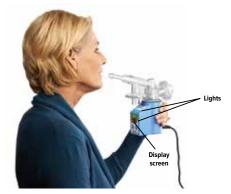
Seal your lips around the mouthpiece to ensure that you can inhale the full amount of TYVASO after it is produced by the device.

Inhalation:

Each breath should last approximately three (3) seconds, breathing "normal full breaths." Do not hold your breath. Exhale normally and prepare for the next breath.

1

Hold the device upright as shown below. Make sure you can see the display screen and lights clearly and that your hands do not cover the display screen or lights while holding device. If the inhalation piece or mouthpiece block your view of the display screen or lights, move the inhalation piece so you can best see them.



Inhaling Your Medicine, TYVASO® (treprostinil) Inhalation Solution (continued)

2

Perform steps A-G to complete one (1) treatment session.
Follow the instructions exactly to make sure you receive the correct medication dose.

START

Press the START/STOP button to begin treatment.

Press



The status light turns green and the device emits two (2) short beeps.



While the device emits one (1) long beep, exhale completely.

After the device emits a short beep and while the inhalation indicator light is flashing green, place your lips securely around the mouthpiece and inhale slowly for the duration of the beep (at least three (3) seconds). Exhale normally, mark a circle in the Treatment Tracker and prepare for

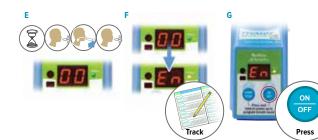
the next breath.

Inhale

Flashing light

Beep

If medicine does not appear to be flowing properly, the system might be set up incorrectly. See Troubleshooting section, pages 30-35, for details.



Repeat steps B through D for the number of prescribed breaths and until the display counts down to "00"

After the final breath, the display screen will show "00" then "En," indicating the treatment session is complete.

Check the number of breaths you inhaled on the Treatment Tracker. off automatically.

To turn off the device, press and hold the ON/OFF button for three (3) seconds and then release.

If the device is left in "En" mode for more than 60 seconds, it will turn off automatically

To pause the treatment between breaths, press the START/STOP button. The display screen will show "PA"

PR

To resume treatment, press START/ STOP again. "PA" will disappear and the display screen will show the number of breaths remaining.

If the device is disconnected from its power source for any reason (for example, a power failure), reconnect the device to a power source. Follow the instructions on page 13 to turn on the device. The display will show how many breaths are left in that treatment session. Press the START/STOP button to continue your treatment session.

Storing the TYVASO Inhalation System Between Treatment Sessions

If you have more treatment sessions left in the day, perform the following steps.

If you have completed your last treatment session of the day, skip to *Cleaning and Maintenance of the TYVASO Inhalation System* (see page 24).

Be sure to pack all parts, including a backup power supply, in the carry case whenever transporting your device.

1

Disconnect the device from its power source.



2

Remove both filter shells.

Do NOT remove the filter membranes from filter shells until after the last treatment session of the day.



IMPORTANT

When removing accessories between treatment sessions, hold the device by its base to avoid spilling the medicine.

.

Remove the mouthpiece.



Storing the TYVASO Inhalation System Between Treatment Sessions (continued)

4

Remove the inhalation piece.



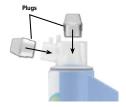
5

Leave the dome assembly and medicine cup (with the medicine still in it) connected to the device.



6

Insert a plug into each of the open holes on the dome assembly to prevent the medicine from spilling out.



IMPORTANT

If the plugs are not in place, the medicine may spill. If you spill any medicine, start over with a new ampule.

The inhalation device with the plugged dome assembly and all the accessories can be stored in the carrying case between treatment sessions.



IMPORTANT

Store the inhalation device in an upright position until the next treatment session. See page 36 for additional storage and transport information.

Cleaning and Maintenance of the TYVASO Inhalation System End of Day Cleaning of the Accessories

Disconnect the device from the power source.



Remove both filter shells.



Open the filter shells by twisting in opposite directions.

Remove and discard the used filter membranes.





4
Remove the mouthpiece.



5

Remove the inhalation piece.



6

Remove the dome assembly by turning it counter-clockwise (to the left). The medicine cup should stay attached to the dome assembly.



⚠ CAUTION

If any medicine from the medicine cup spills on your hands, wash your hands immediately.

Medicine contact with the skin can cause irritation.



End of Day Cleaning of the Accessories (continued)

7

Remove the medicine cup by gently squeezing on the sides where it is attached to the dome assembly. Empty the medicine cup into a sink or waste basket, then discard the medicine cup.

Be careful not to spill the medicine when removing or discarding the medicine cup.



IMPORTANT

Discard the remaining TYVASO® (treprostinil) Inhalation Solution in an appropriate waste receptacle. Throw away the plastic medicine cup. Do not reuse the medicine cup. Do not recycle the medicine cup.



Empty the distilled water from the chamber and let the inhalation device air dry upside down. You can wipe the chamber with a soft cloth or paper towel to collect water



9

Clean the accessories (pictured below) by hand in mild, soapy, warm water, then rinse them thoroughly with water. Allow accessories to air dry



IMPORTANT

Do not place the inhalation device in water or in a dishwasher.

Do not place the inhalation device or its accessories in a microwave or conventional oven.



Once all the items are dry, the filter shells, inhalation piece, mouthpiece, dome assembly, and inhalation device can be stored in the carrying case until the next day's treatment sessions.



Weekly Cleaning

 Once a week, use a clean cloth to wipe the interior of the inhalation device chamber, be sure to wipe the disc in the bottom of the device.
 You may wipe the exterior of the device with a damp cloth if the lights or buttons become difficult to see. Proper cleaning will help to avoid corrosion and leaks and keep your device working properly.

Monthly Refill Kit

 Once a month, you will receive a refill kit that will come with a new set of accessories from your specialty pharmacy provider. Inspect the shipment to be sure all parts are included (see page 7). Once the new kit has arrived, discard the used dome assembly, inhalation piece, mouthpiece, and two (2) filter shells. Do not recycle the used accessories

Device Replacement

 The inhalation device should be replaced every two (2) years from your first day of use. Replacement inhalation devices will be supplied by your specialty pharmacy provider.

IMPORTANT

All service of the TYVASO Inhalation System must be performed by the manufacturer. Attempting to alter the device in any way voids the warranty and may cause a malfunction.



Charging Your TYVASO Inhalation System

Rechargeable Battery

The rechargeable battery is supplied with its own instructions for use. Refer to these instructions for more information.

 Your TYVASO Inhalation System is supplied with a portable, rechargeable battery. Do NOT use other batteries.



 Your battery can only be charged by using one (1) of the AC wall plugs that comes with your inhalation device.



 To check the battery's voltage level, press and hold the blue button on the front of the battery. You can only check the battery's voltage level when the battery is not plugged into a power source.

The light below the button will turn on and indicate the battery's voltage level. A red light indicates the battery needs to be charged. A green light indicates the battery is ready to operate the device.

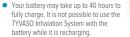


IMPORTANT

A new battery might not be fully charged when you receive it. Always charge a new battery before you first use it.



A yellow light on the front of the battery will turn on, indicating that the battery is charging.



A fully charged battery will typically last up to 200 inhalations.

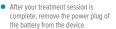
A battery charged for one (1) night (about 10 hours) will typically last up to one (1) day of therapy (about 40 inhalations).

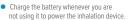
IMPORTANT

Make sure the battery is not connected to the inhalation device while the battery is charging. The battery will charge more slowly and require a longer time to fully charge if plugged into the inhalation device.



plugged into a power source.





 Always have your AC wall plug or 12V DC adapter available for backup, in case the battery is not charged.





Troubleshooting the TYVASO Inhalation System

| Problem | Possible causes | Corrective actions |
|------------------|---|--|
| Low battery (LB) | • Low battery | Unplug the battery from the device. Charge th battery by attaching it to the AC wall plug and outlet. Use an alternative power source, such as the AC wall plug or 12V DC adapter, for treatment. |
| - Constant | Defective adapter (AC wall plug or 12V DC adapter) | Ensure that the plug is properly connected to an outlet. |
| | AC wall plug is still plugged into battery and battery is connected to device. | Turn off device (see page 14). Disconnect AC wall plug from battery. Check battery status, following instructions o page 28. |
| | | If device is properly powered and still does not function, contact your specialty pharmacy provider for a replacement. |

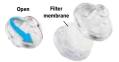
| Problem | Possible causes | Corrective actions |
|------------------|---|--|
| ow hydrogen (LH) | Device chamber is empty or distilled water level in the device chamber is too low. Too low | Unplug the device from its power source. Remove the dome assembly carefully, making sure not to spill its medicine. Empty the device chamber then refill it with distilled water (see page 8) and reconnect the dome assembly (see page 10). |
| | The distilled water you are using is too purified | Empty device chamber. Add one (1) teaspoon of tap water to the water fill cup. Fill cup with distilled water up to level between the two arrow markings on cup (see page 8). Pour cup's contents into device chamber. |
| | The sensor has a thin layer of build-up | Clean sensor and interior surfaces of water chamber with a clean cloth. |
| | | If device is properly powered and still does not function, contact your specialty pharmacy provider for a replacement. |



Troubleshooting the TYVASO Inhalation System (continued)

| Problem | Possible causes | Corrective actions |
|--|---|---|
| No medicine comes out of the device during a treatment session | No TYVASO® (treprostiniii) Inhalation Solution in the medicine cup | Unplug the device from its power source. Fill medicine cup with one (f) ampule of TYVASO |
| | Damaged medicine cup | Unplug the device from its power source. Replace the medicine cup. |
| | Distilled water level in the device chamber is too high Too high | Unplug the device from its power source. Empty the device chamber then refill it with 45 mL of distilled water. |
| | Multiple medicine cups attached to the dome assembly | Unplug the device from its power source. Remove and dispose of all medicine cups in the device. Insert a single, new medicine cup into device chamber and fill with one (1) ampule of TYVASO. |

| Problem | Possible causes | Corrective actions |
|---|----------------------------|---|
| Difficult to breathe in medicine through the mouthpiece | Filter membrane is clogged | Unplug the device from its power source. Replace filter membrane (see page 11). |



Troubleshooting the TYVASO Inhalation System (continued)

| Problem | Possible causes | Corrective actions |
|---|--|--|
| No "click" was heard when attaching the dome assembly | - No medicine cup in the chamber of the device | Insert an empty medicine cup into the chamber of the device and fill it with one (1 ampule of TYVASO. |
| | Multiple medicine cups attached to the dome assembly | Unplug the device from its power source. Remove and dispose of all medicine cups |
| | Two (2) medicinu | in the device. Insert a single, new medicine cup into device chamber and fill with one (ampule of TYVASO. |
| | Dome assembly is not securely in place | Unplug the device from its power source. Align the circle on the side of the dome |
| | | assembly with the circle on the side of the device. Push down and screw the dome assembly onto the device clockwise (right) until you hear a click, indicating the dome assembly is fully connected to the medicin cup. |

| Problem | Possible causes | Corrective actions |
|--------------------------------|--|---|
| Loss of power during treatment | Device is disconnected from its power source | Reconnect the device to a power source and press the ONOFF button to turn on the device. The display will show how many breaths are left in that treatment session. Press the START/STOP button to continue your treatment session. |
| | Power source is temporarily disrupted (for example, electricity interruption due to a storm) | Reconnect the device to a power source and turn on the device (see page 13). The display will show how many breaths are left in that treatment session. Press the START/ STOP button to continue your treatment session. |

Specifications

| Inhalation Device | |
|--------------------------------|--|
| Model | TD-100/A |
| Size | 98 x 66 x 105 mm |
| Weight, inhalation device | 280 g (9.9 ounces) |
| Types of power supply | AC wall plug 12V DC adapter Rechargeable battery |
| Power input | 12V DC, 1.5A maximum |
| Operating power consumption | 18 Watt maximum |
| Ultrasonic frequency | 2.4 MHz (nominal) |
| Nebulization rate | 0.50 - 0.55 mg/min (0.9% Saline) |
| Medicine cup capacity | 6 mL, nominal |
| Contact fluid chamber capacity | 45 mL, nominal |
| Electric protection class | II Type B |
| Storage temperature/humidity | -5 to 40°C/20-80% relative humidity |
| Operating temperature/humidity | 15 to 25°C/40-75% relative humidity |

| Packaging Dimensions (Approxima | ate Length x Width x Height |
|---------------------------------|-----------------------------|
| Patient Starter Kit (PSK) | 12.2" x 14.3" x 16.0" |
| Monthly Refill Kit (MRK) | 9.9" x 6.1" x 16.1" |
| Institutional Starter Kit (ISK) | 12.2" x 14.3" x 16.0" |

TYVASO Mass and Particle Specifications for 9 breaths

| Mass Median Aerosol Diameter (MMAD)* | mean = 2.0 μm SD = 0.3 |
|--------------------------------------|----------------------------|
| Total Emitted Dose per Breath** | mean = 6.0 μg SD = 0.4 |
| Total Aerosol Mass* | mean = 58 μg SD = 5.9 |
| Total Respirable Dose* | mean = 44.6 μg SD = 3.5 |
| Respirable Fraction* | mean = 73% SD = 5% |
| Geometric Standard Deviation (GSD)* | mean = 2.6 μm SD = 0.4 |

| Accessories | |
|-------------|---------------------------------|
| ON-110HPA | Rechargeable battery |
| ON-100Z | 12V DC adapter |
| ON-100N-US | AC wall plug |
| ON-102/1/C | Medicine cup, Quantity-16 |
| ON-109 | Filter membranes |
| ON-120/C | Plugs |
| ON-101/C | Filter shell |
| TD-103/C | Dome assembly with baffle plate |
| ON-104/C | Inhalation piece |
| ON-105/C | Mouthpiece |
| TD-118 | Water level cup |
| TD-153 | Carrying case |
| TD-155 | Distilled water carrier |

Note: Part number subject to change.

^{*}n=108 data points from r=3 inhalation devices. Each data point was 9 breaths.

**n=216 data points from r=6 inhalation devices. Each data point was 1 breath.

Glossary

Accessories: Parts of the TYVASO Inhalation System. See pages 6 and 7.

Ampule: A sealed, lightweight clear plastic vial containing a 1-day supply of TYVASO® (treprostinil) Inhalation Solution.

Control light for inhalation: A green LED on the top surface of the inhalation device that signals when you should inhale.

Baffle plate: A blue plastic piece that is inside the dome assembly. The baffle plate helps turn TYVASO into particles that are the correct size to inhale.

Black ring: A round seal that fits on the bottom of the dome assembly. The seal helps ensure that TYVASO does not mix with the distilled water in the device chamber.

Display screen: A small area on the inhalation device that displays number and letter prompts to guide you through your treatment sessions.

Distilled water: Water that is highly purified so that it contains only essential elements.

Dome assembly: The plastic accessory that contains the baffle plate and connects the mouthpiece, inhalation piece, and filter shells to the base of the inhalation device.

Filter membrane: The white pad that goes into the filter shells

Filter shells: Plastic accessories that hold the filter membranes.

Inhalation piece: The plastic accessory that connects the mouthpiece with the dome assembly.

Inhalation device: The base of the TYVASO Inhalation System to which the accessories connect. The inhalation device contains the display screen and lights.

Inhale: How you will breathe in TYVASO with the TYVASO Inhalation System.

Medicine cup: The disposable plastic cone-shaped cup into which TYVASO is poured. The medicine cup fits inside the inhalation device chamber.

Mouthpiece: The plastic part that you will breathe through (using your mouth) to inhale TYVASO.

ON/OFF button: A manually activated control on the front of the device that switches between fully on and fully off power states.

Plugs: Plastic accessories that are inserted into the openings of the dome assembly between treatment sessions. Plugs help keep TYVASO from spilling if the inhalation device tips over.

Prompts: The audio and visual signals that help guide you through the treatment sessions.

Sensor: The silver object on the inside wall of the device chamber. The sensor must be covered with distilled water for the TYVASO Inhalation System to function properly.

Status light: A multicolored LED on the front of the inhalation device that indicates the device's operational status.

Start/Stop treatment button: A manually activated control on the front of the device that begins or pauses treatment.

Specialty pharmacy provider: A pharmacy that carries only specialized medicines and medical devices. Your specialty pharmacy provider is a good source of information about TYVASO and the TYVASO Inhalation System.

Treatment session: One (1) of four (4) daily sessions during which you will take TYVASO with a specific number of inhalations.

TYVASO: The prescription medicine that you will use with the TYVASO Inhalation System.

Water chamber: The white hollow portion in the center of the inhalation device into which distilled water and the medicine cup are placed.

Warranty Information

Your TYVASO Inhalation System is granted a full replacement or repair warranty good for two (2) years from your date of receipt of the TYVASO Inhalation System Starter Kit or five (5) years from the date of manufacture, whichever comes first. This warranty applies to the TYVASO Inhalation System device only. Accessory components are not covered under warranty.

Circumstances that may void your warranty include:

- Modification or disassembly of the TYVASO Inhalation System device by anyone other than a factory-authorized technician
- Failure to comply with the written Instructions for Use manual when operating the TYVASO Inhalation System
- Unapproved use of the TYVASO Inhalation System

For all inquiries relating to service or warranty for your TYVASO Inhalation System, contact your specialty pharmacy provider. You should have the following information available:

- Device serial number (located on bottom of TYVASO Inhalation System)
- Date TYVASO Inhalation System was acquired
- Nature of the problem and any steps taken to fix it









TYVASO° INHALATION SYSTEM Instructions for Use

TYVASO Inhalation Solution is for prescription use only.

TYVASO is a registered trademark of United Therapeutics Corporation.

Literature issued August, 2014

For further questions and information, or to report an adverse reaction, please call 1-877-UNITHER (1-877-864-8437).

| Specialty pharmacist: | Emergency contact information | |
|--------------------------------------|-------------------------------|--|
| Nurse educator:Specialty pharmacist: | Clinician: | |
| | Nurse educator: | |
| | Specialty pharmacist: | |
| | United Therapeutics: | |



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