Medtronic

Imagine a world...

MiniMed® Veo™ Paradigm™ System

A Step-by-Step Guide

Imagine a world...

Where you can exercise whenever you want and not have to carb load or worry about hypos.

Where you can eat what you want, when you want, without planning.

Where you can have one needle every 3 days as opposed to 12 needles.*

Where you can worry less about hypos overnight, and know that your pump will look after you when you need it most.

Imagine the possibilities with the MiniMed® Veo™ system.
A system designed to give you BETTER CONTROL.
Come and join our world and be part of the possibility...

Believe in better control™

Contents

For further information on a specific topic, please refer to the highlighted chapters in the MiniMed® Veo™ User Guide.

Your HCPs' Contact Details

Staying in touch with your Healthcare Professionals (HCPs)

Your Endocrinologist: .....

Phone number: .....

Email: .....

Your Diabetes Educator: .....

Your Diabetes Centre: .....

Address: .....

.....

Phone number: .....

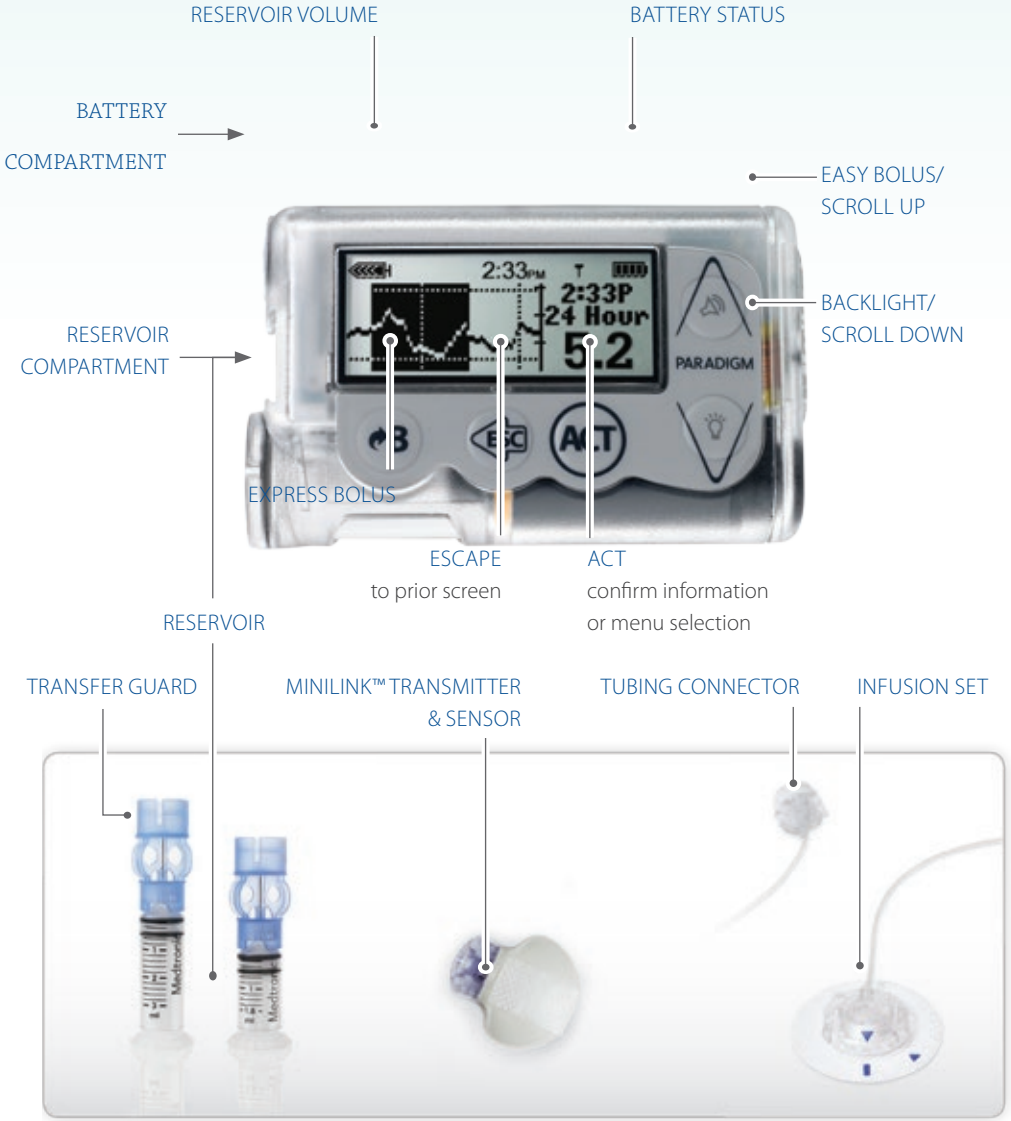
Email: .....

Medtronic Diabetes 24-hour Toll Free: 1800 777 808

Please note: In contacting the Diabetes Toll Free, your personal and health information may be disclosed to an operator located outside Australia.

Introducing the MiniMed® Veo™ Insulin Pump

The key elements in managing your diabetes with insulin pump therapy



Refer to Chapter 3 in the MiniMed® Veo™ User Guide

Getting Started

Thank you for choosing Medtronic Diabetes as a partner in managing your diabetes. Whether you are just starting pump therapy or upgrading from a previous model, this step-by-step guide is designed to help you understand the basic operation of the MiniMed® Veo™ System. It is intended to be used in conjunction with the guidance of a Healthcare Professional. Please consult your Healthcare Professional before making any therapy adjustments. For full product details, please refer to the MiniMed® Veo™ User Guide and Instructions for Use for each system component.

The MiniMed® Veo™ insulin pump shown in purple.

Understanding the basics

For this section, you will need the:

- **MiniMed® Veo™ insulin pump**
- **MiniMed® Veo™ User Guide**

The MiniMed® Veo™ Insulin Pump

A patient-friendly insulin pump

With the MiniMed® Veo™ pump:

- You only need to press a few buttons to make appropriate selections and adjustments.
- Simple on-screen instructions help with the infusion set and reservoir changes.
- An easily accessible backlight illuminates the pump's screen in the dark.
- Large, clear text makes all on-screen information easy to read.
- Inserting the infusion set is straightforward and virtually painless.

In this section, we'll explain technical terms, give you practical assistance, and make sure you feel as comfortable as possible using the MiniMed® Veo™ pump from day one.

** Information contained herein does not replace the recommendations of your Healthcare Professional (HCP). Please refer to the User Manual and your healthcare team for more information. When using an insulin pump, check your blood glucose a minimum of 4 times per day.*

The MiniMed® Veo™ pump is discrete and can be easily attached to your waistband.

Breakdown of the Buttons

Simple buttons for simple use

The buttons on the MiniMed® Veo™ insulin pump are designed to make it simple and effective to manage your MiniMed® Veo™ pump.

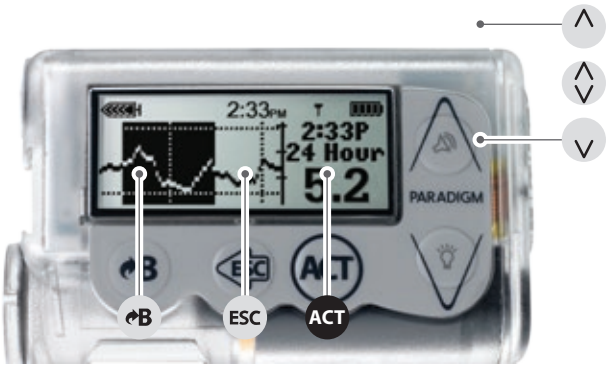
EXPRESS BOLUS to set a Bolus

RETURN to prior screen

ACT to confirm information or menu selection

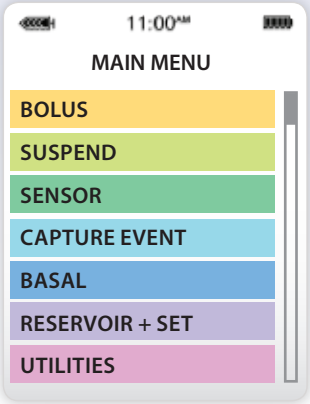
SCROLL UP

SCROLL DOWN



NOTE: *The MiniMed® Veo™ insulin pump buttons will be referred to throughout the brochure using the icons shown to the right.*

Menus and Menu Options



Navigation

Press the ACT button from the MAIN MENU to get to the sub-menus.

Press the ESC button from a submenu screen to return to the MAIN MENU.

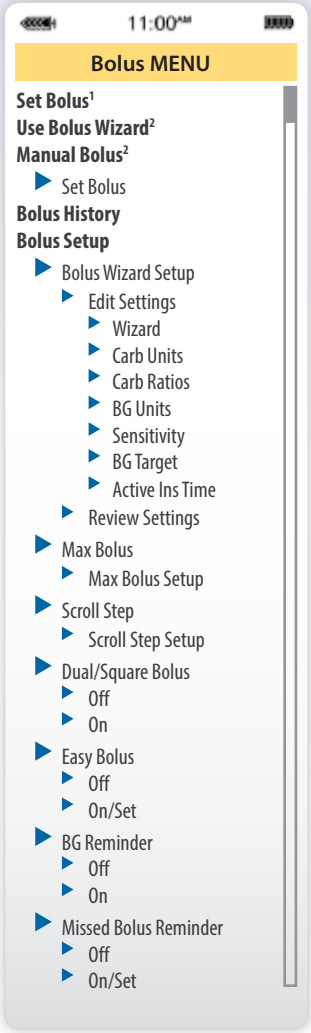
Scroll bar (appears on the right of the screen when more screen text is available).

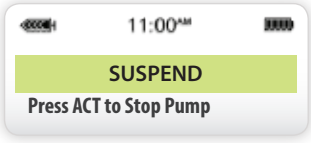
Press ∨ to scroll down to view additional screen text.

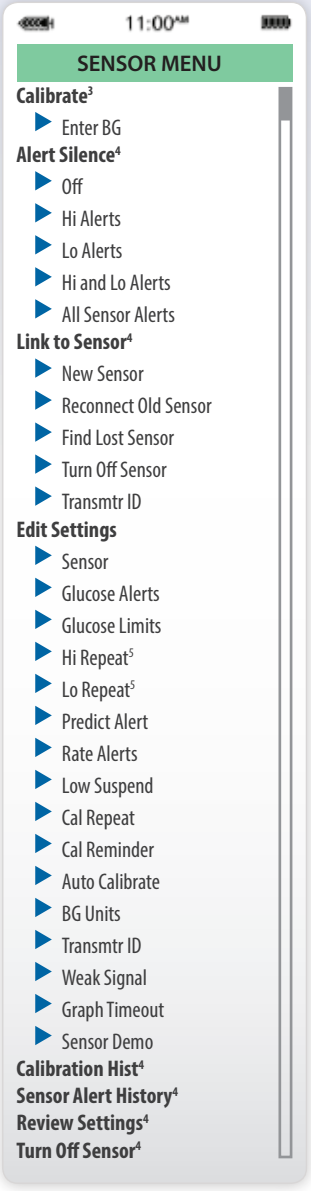
Press ∧ to scroll back up.

When using Low Suspend Features, the Graph Timeout Feature should **not** be set to "NONE".

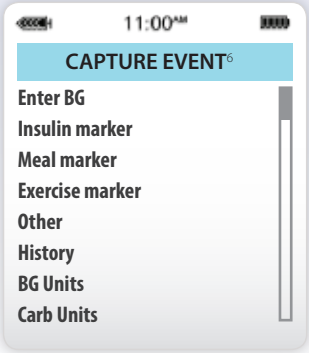
Note: *All screens are samples only. Actual screens depend on the current active functions. Blue Arrows (▶) indicate submenus.*

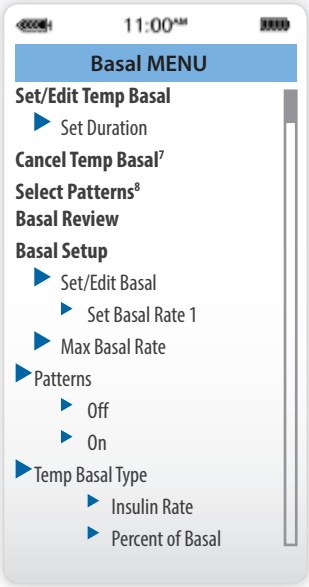


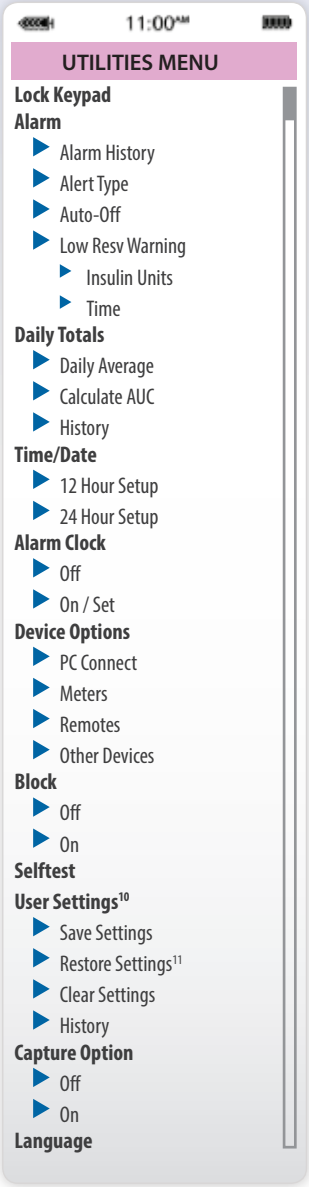




1. Displays only when the *Bolus Wizard*™ feature is off.
2. Displays only when the *Bolus Wizard*™ feature is on.
3. Displays only when the sensor is communicating with the pump.
4. Displays if *Sensor* is on.
5. Displays if *Glucose Alerts* feature is on.



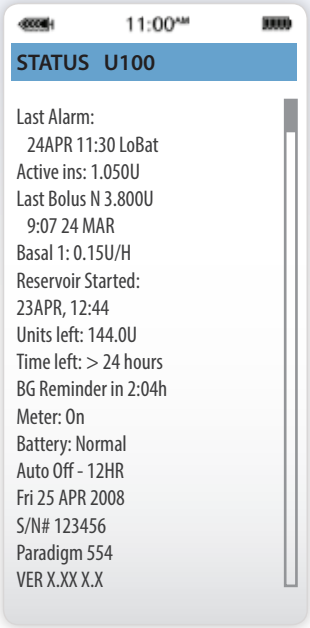




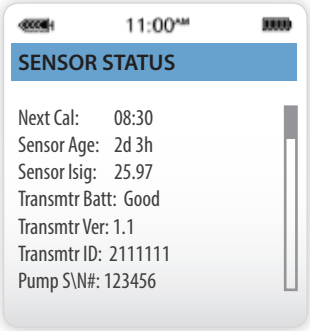
Status Screens

Press the ESC button to go to the PUMP AND SENSOR STATUS screens.

PUMP STATUS SCREEN



SENSOR STATUS SCREEN



6. Displays if *Capture Option* is turned on in Utilities Menu.
7. Displays only after setting Temp Basal.
8. Displays only when the *Patterns* feature is on.
9. Displays only after a rewind.
10. Displays only when you hold B and press ACT.
11. Displays only after the patient settings have been saved.

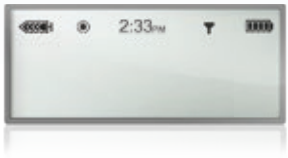
Operational Modes

The 3 Operational Modes

Press ESC to view the status screen so you can review the reason for the empty circle.

Normal Mode
The pump operates normally.

Special Mode
Indicates special circumstances: low battery, low reservoir, temporary basal, etc.



Attention Mode
Administration of insulin is stopped. Press ACT to view alarm type to take action.

Key Alarms

THE SCREEN INDICATES THE REASON FOR THE ALARM

Press ESC and ACT to clear the alarm.

Empty Reservoir

CHANGE THE RESERVOIR immediately.

Weak Battery

REPLACE THE AAA BATTERY immediately.

No Delivery

BLOCKAGE DETECTED: insulin delivery stopped. Check blood glucose and ketone levels.

Failed Batt Test

CHECK SETTINGS
BATTERY VOLTAGE INADEQUATE
Install a new battery.

Bolus Stopped

CHECK Bolus HISTORY
Reprogram Bolus with the amount of insulin not delivered.

Suspend

Press ACT to stop pump.
Suspend stops all insulin delivery, including the current Basal, any Bolus or Fill Cannula deliveries that are in progress.

Infusion Set and Reservoir

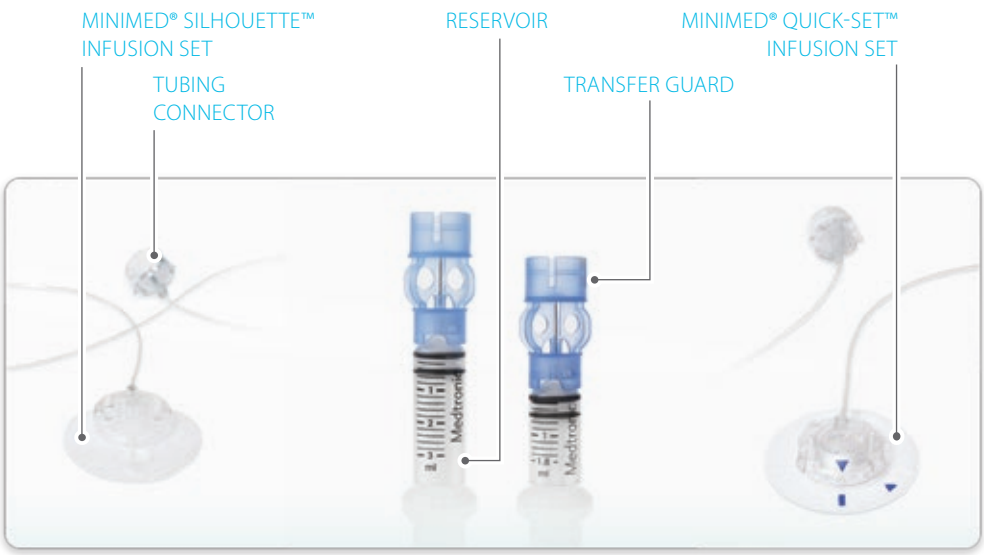
A Unique Connection

Medtronic has developed a range of **infusion sets** and **reservoirs** designed for your MiniMed® Veo™ insulin pump. They have one key element in common:

- **The MiniMed® patented connector** – A unique interface between your MiniMed® infusion set and reservoir. The patented and leak-proof connector builds on our experience of traditional Luer lock systems, with additional benefits for you.

Note: *Successful pumping relies on proper infusion set management. Changing your infusion set every 2 to 3 days may help ensure the effectiveness of your therapy.*

click! - *Two parts, one interface, a secure fit.*



Getting Connected

The MiniMed® Veo™ insulin pump shown in pink.

Understanding Infusion Set and Reservoir

For this section, you will need:

- **Reservoir**
- **Infusion Set**
- **Serter (optional)**
- **Insulin**
- **MiniMed® Veo™ insulin pump**

Medtronic MiniMed® Reservoirs

Simplicity and Security

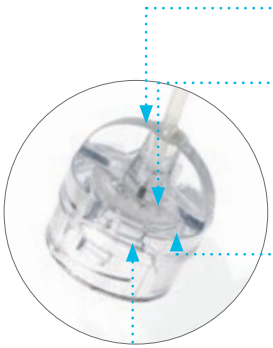
TRANSFER GUARD SNAPS ONTO INSULIN VIAL OR PEN CARTRIDGE for secure and stable reservoir filling.

NEEDLE INCORPORATED INTO TRANSFER GUARD to help prevent injury.

PRE-ASSEMBLED AND READY TO USE for fast, efficient reservoir filling.

SILICONE MEMBRANE seals the reservoir when the Transfer Guard is removed to help prevent leakage.

ROUNDED SHAPE helps eliminate air bubbles to promote consistent insulin delivery.



ERGONOMIC DESIGN makes it easy to grab the connector for secure handling.

VENTS are built into the connector, so they are replaced every time you change your infusion set.

CONNECTER FITS SECURELY on both the reservoir and the MiniMed® Veo™ pump, providing a leak-proof connection - click!

AIRTIGHT SEAL for reliable insulin delivery when connected to reservoir.

Medtronic MiniMed® Infusion Sets

Choice and Flexibility

MiniMed® Quick-set™ infusion set

- Soft cannula set
- 90 degree insertion angle
- MiniMed® Quick-serter™ insertion device for consistent insertion depth
- At-site tubing disconnection
- Cannula length: 6 or 9mm

Is the Quick-set™ right for you?

Due to its versatile design and straight 90 degree insertion angle, you may like the Quick-set if you are of average to heavier build.

MiniMed® Silhouette™ infusion set

- Soft cannula set
- 20-45 degrees variable insertion angle
- MiniMed® Sil-serter™ insertion device for controlled insertion depth
- At-site tubing disconnection
- Cannula lengths: 13 or 17mm

Is the Silhouette™ set right for you?

Due to its low profile and adjustable insertion depths, the Silhouette set is a good choice for babies, during pregnancy or if you are an active lean adult or child.

MiniMed® Sure-T® infusion set

- Steel needle set
- 90 degree insertion angle
- Tubing disconnection 10 cm from infusion site
- Additional adhesive for increased security
- Cannula lengths: 6, 8 or 10mm

Is the Sure-T® set right for you?

Due to its very thin, steel needle and dual adhesives, the Sure-T® set is ideal for children of normal to heavier build. This set may also appeal to you if you are pregnant, simply prefer the steel needle set or are allergic to Teflon® cannulas.

MiniMed® Mio® infusion set

- All-in-one infusion set and insertion device
- 90 degree angle
- Soft cannula
- At-site tubing disconnection
- Rigid box can be carried and stored anywhere
- Cannula lengths: 6 or 9 mm
- Available in three colours: blue, pink and clear

Is the Mio® set right for you?

Due to its 90 degree angle and soft cannula, this set is suitable for both children and adults of average to heavier build.

Inserting the Infusion Set

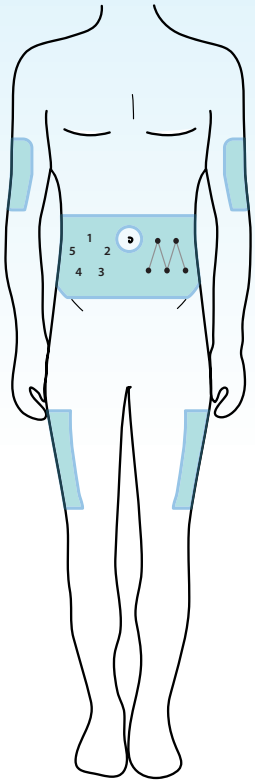
Insert the Infusion Set

- **Wash hands thoroughly** before any handling
- **Prepare materials:** insulin, reservoir, infusion set and pump

Prior to filling the reservoir, it is recommended that the insulin be at **room temperature.** Refer to instructions for use for the cannula: **MiniMed® Quick-set™** or **Silhouette™ infusion sets**.

Remember to **rotate and cleanse insertion sites.** Recommended possible sites:

- abdomen
- upper buttock
- outer thigh
- arm



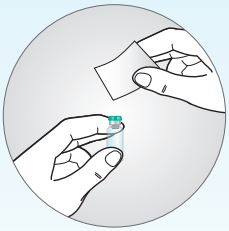
Additional Tips

- It is recommended to **stand while inserting**
- **Insert** the new infusion set before removing the old one; this will ensure you do not re-insert at the same location.
- **Choose** a site free of lumps, bumps, bruises, scars and tattoos.
- **Clean** the inside of the insertion device (if you use one) with alcohol each month to ensure proper function.
- **Avoid** inserting the infusion set within 5cm of the belly button.

WARNING

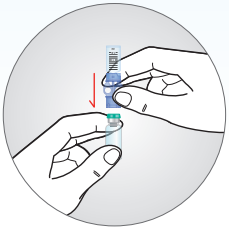
- All *'sharps'* – introducer needle, transfer guard, old tubing, etc., should be disposed of in a sharps container.
- Never change infusion set immediately before going to bed.
- Check your blood glucose 2 hours after the infusion set change.
- It is recommended to change the infusion set prior to a meal.

Filling the Reservoir



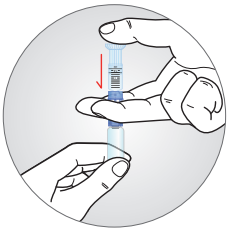
Step 1

CLEAN the insulin vial stopper with an alcohol wipe.



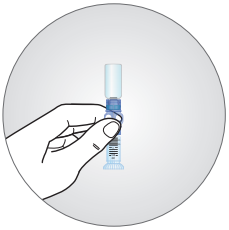
Step 2

INSERT the needle of the Transfer Guard into the vial.



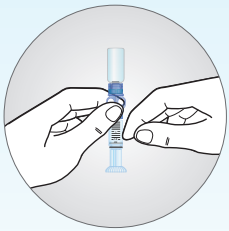
Step 3

PRESSURISE the vial by pushing the plunger down completely. If using a penfill cartridge, pull the plunger back to fill the reservoir.



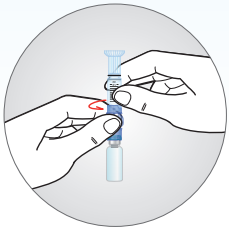
Step 4

INVERT the reservoir and allow the reservoir to fill. Gently pull the plunger, if necessary.



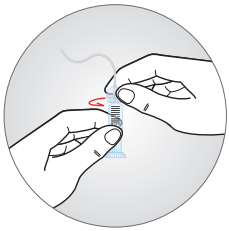
Step 5

REMOVE any air bubbles from the reservoir by gently tapping.



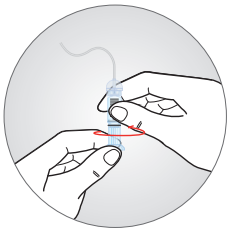
Step 6

REMOVE the Transfer Guard from the reservoir (1/4 turn) and connect the reservoir to the infusion set. Always avoid getting insulin, or any liquid, on the inside of the tubing connector. This can temporarily block the vents that allow the pump to properly prime. The recommended reservoir fill procedure can be found at www.medtronic-diabetes.com.au/mylearning.



Step 7

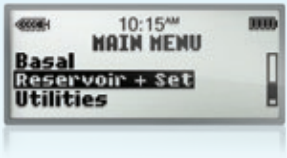
To PURGE air bubbles that have risen to the top of the reservoir, push up on the plunger until you see insulin in the tubing.



Step 8

UNSCREW the reservoir plunger.

Fill the Infusion Set Tubing



Step 1

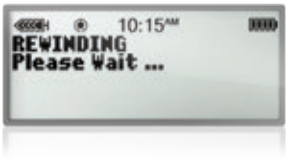
ACT

Step 2

ACT

Step 3

ACT

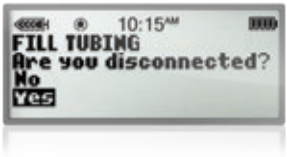


Step 4

ACT

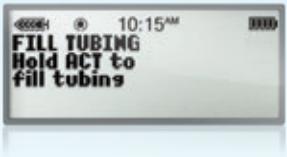
Step 5

Insert the reservoir (with set connected) into the pump compartment and lock it (1/4 turn). ACT



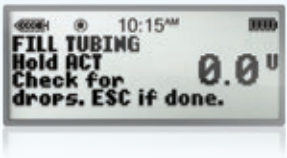
Step 6

ACT



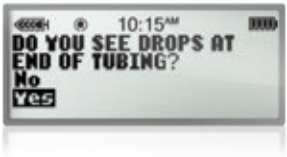
Step 7

ACT



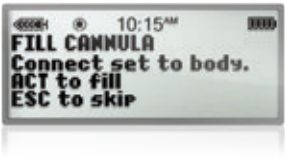
Step 8

Fill until drops are seen at the end of the infusion set tubing. ESC, then ACT.



Step 9

ACT



Step 10

Insert set (see instructions for inserting infusion sets). ACT

Step 11

Using the arrows, ADJUST the volume needed to fill the cannula.* ACT

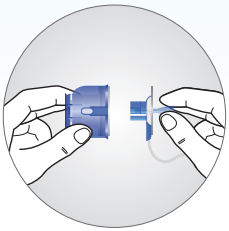
Step 12

ACT

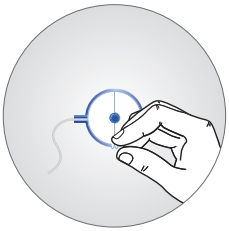
** Note: if using the Sure-T® infusion set, filling the cannula is not required. Press ESC to skip "Fill Cannula" (Step 10).*

Insertion of the MiniMed® Quick-set™ Infusion Set

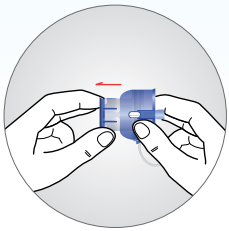
Please refer to **PAGE 16** of this manual
BEFORE YOU START



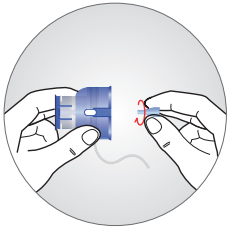
Step 1
INSERT the Quick-set™ into the insertion device (Quick-serter™).



Step 2
REMOVE the protective films from the adhesive.

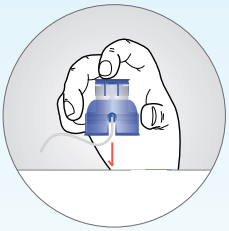


Step 3
LOAD the Quick-serter by pulling back on the plunger.



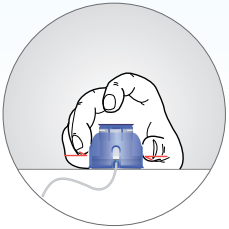
Step 4
REMOVE the needle protector (blue cone) by unscrewing it.

(continued on next page)



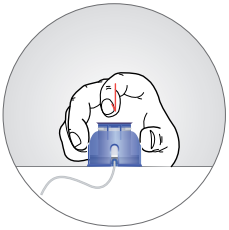
Step 5

POSITION the Quick-serter at the desired site.



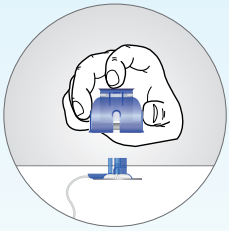
Step 6

SQUEEZE the two white triggers to begin insertion.



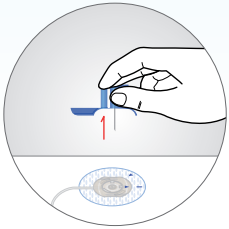
Step 7

PRESS the plunger with your index finger to release the introducer needle.



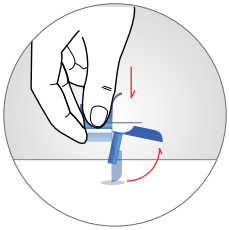
Step 8

REMOVE the Quick-serter while supporting the tubing with your other hand.



Step 9

Carefully WITHDRAW the introducer needle.



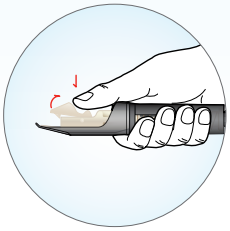
Step 10

Fold the needle before placing it in a sharps container.

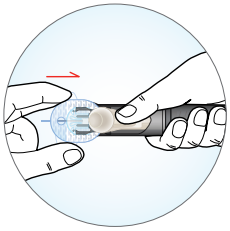
Recommended Cannula Fill:
0.3U for 6mm
0.5U for 9mm

Insertion of the MiniMed® Silhouette™ Infusion Set

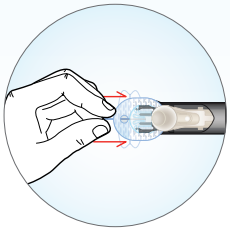
Please refer to **PAGE 16** of this manual
BEFORE YOU START



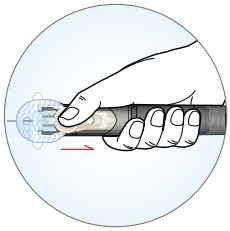
Step 1
OPEN the mouth of the Sil-serter™ insertion device.



Step 2
PLACE the Silhouette™ set in the Sil-Serter device and release the mouth.

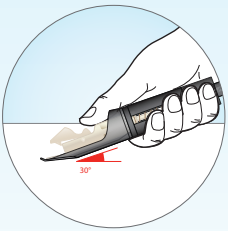


Step 3
REMOVE the needle protector. REMOVE first half of the protective film from the adhesive.



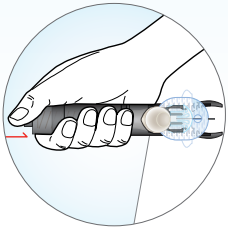
Step 4
LOAD the Sil-serter device.

(continued on next page)



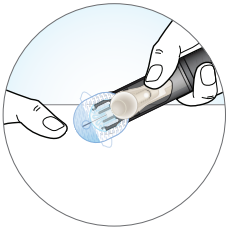
Step 5

PLACE the feet of the Sil-serter device on the insertion site and position at an approximately 30 degree angle.



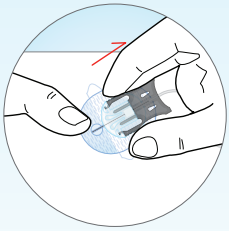
Step 6

INSERT the Silhouette set by pressing the white button.



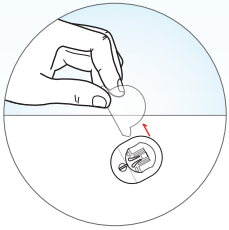
Step 7

OPEN the Sil-serter mouth again and SLIDE it backwards.



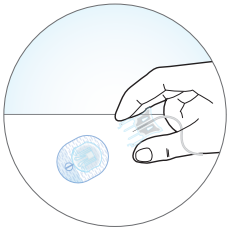
Step 8

WITHDRAW the introducer needle by squeezing on the sides before pulling.



Step 9

REMOVE the other half of protective film from the part before the adhesive.
ADHERE the back part of the adhesive to the skin.



Step 10

CONNECT the tubing and the Silhouette set.

Recommended Cannula Fill: 0.7U for 13mm and 17mm.

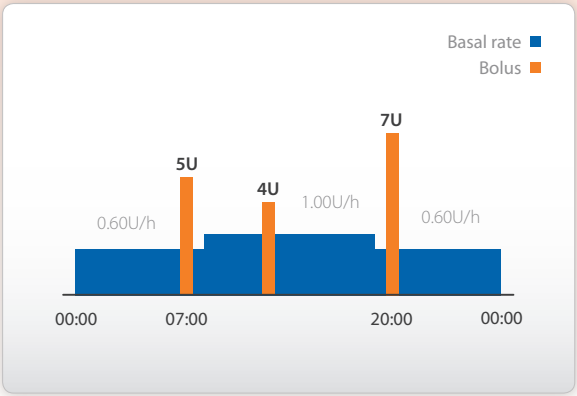
Basal and Bolus

Understanding **Basal** and **Bolus**.

The MiniMed® Veo™ insulin pump allows you to set multiple basal rates. The *basal insulin* is delivered throughout the day and night to cover your insulin needs between meals and at night. When you exercise, you can reduce the basal rate so that your blood glucose (BG) does not drop too low. When you are sick or have an infection, you can increase the basal rate. This will keep your BG from going up too high.

The MiniMed® Veo™ pump allows you to give a bolus, or dose of insulin on demand when you eat. You can also increase or decrease your meal bolus based on the foods you choose to eat. A bolus may also be used to lower an elevated BG. This is called a correction bolus.

Your healthcare professional will help calculate these rates for you.



Basal rates

The insulin needed to maintain blood glucose at a proper level between meals and during the night.

Bolus

The insulin needed to compensate for meals and/or to correct blood glucose.

Getting Freedom

The MiniMed® Veo™ pump shown in blue, with 'Bubbles' SKIN.

Understanding Basal and Bolus

For this section, you will need:

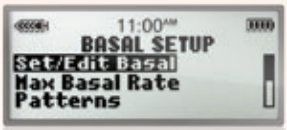
- **Starting hourly basal rate**
- **Sensitivity factor**
- **Insulin to carb ratio (or exchange)**
- **Blood glucose targets**
- **Active insulin time**

Setting the Basal Rate

To set the **basal rate** for different times and activities of the day.

Step 1

Select Basal SETUP from the Basal Menu and press ACT.



Step 2

Select SET/EDIT Basal from the "Basal SETUP" menu and press ACT.

Step 3

Set Basal RATE 1 using ◇ and press ACT.
Note: U/H is units of insulin per hour.

Step 4

To set Basal RATE 2, enter the start time and the second rate. If starting with one basal rate, simply press ACT to get back to the Basal Rate Review menu.

Step 5

Remember to check the 24 hour total.

Basal Review

To **check** your **basal rates and times**:

Step 1

To check your BASAL RATES & TIMES choose ◇ "Basal REVIEW" from the Basal menu and press ACT.

Step 2

Use ◇ to scroll up and down and view your set BASAL RATES & TIMES.

Medtronic Bolus Wizard™ Calculator

The **Medtronic Bolus Wizard™ calculator** performs the calculations needed to manage your insulin dosing and reduce the potential for hypoglycaemia, by calculating the:

- **Correction Boluses** when glucose is out of target range.
- **Meal Boluses**, if you are able to calculate your carbohydrates.

Before using the **Bolus Wizard™ calculator**, you must determine the following settings with your diabetes care team:

- **Insulin-carbohydrate ratio** (Carb Ratio). The amount of carbohydrate covered by 1 unit of insulin.

> ***Note:*** *You may have different ratios for different meals (breakfast, lunch and dinner) or different times of the day. This ratio may not apply during physical exercise.*

- **Insulin sensitivity factor** (Ins Sensitivity). This corresponds to the decrease in your blood glucose when 1 unit of insulin is bolused.

> ***Note:*** *Your sensitivity to insulin may vary throughout the day. This factor may not apply during physical exercise.*

- **Blood glucose targets** (BG Target). The high and low blood glucose values that are used when calculating a Correction Bolus.
- **Active insulin duration** (Active Ins Time). How long the insulin will have a glucose lowering effect in your body once it has been bolused.

Warning

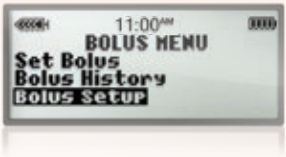
- If you do not know your personal settings, do not use this function prior to discussing it with your diabetes care team.

Programming the Bolus Wizard™ Calculator

The following is a step-by-step guide to the **Bolus Wizard™ calculator**. Follow the instructions using the screens as a guide.

Step 1

From the MAIN menu choose "Bolus" and press ACT.



Step 2

From the Bolus menu choose "Bolus SETUP" and press ACT.

Step 3

From the Bolus SETUP menu choose "Bolus WIZARD SETUP" and press ACT.

Step 4

From the Bolus WIZARD SETUP menu choose "EDIT SETTINGS" and press ACT.

Step 5

From the Bolus WIZARD ON/OFF menu choose "ON" and press ACT.
Afterwards, please enter other information for all requested data:
Carb Units , Carb ratio, BG unit, Sensitivity, BG target and Active Insulin Time.

Reviewing settings

Always check the programming performed before using the Wizard. Use the "REVIEW SETTINGS" line in the menu entitled "WIZARD SETUP."

Using the Bolus Wizard™ Calculator

With the **Bolus Wizard™ calculator**, you can:

- Perform a **Correction Bolus**: enter only blood glucose.
- Perform a **Meal Bolus**: enter only the amount of carbohydrates.
- **Combine both** (meal + correction Bolus): enter both blood glucose and carb amounts.

Example: *blood glucose of 7.1 mmol/L and carbohydrates = 40g*

Step 1

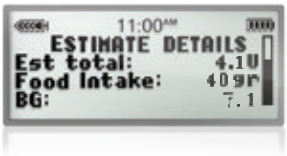
Press ACT 3 times to access the Bolus Wizard™ calculator.

Step 2

Use ◊ to enter BLOOD GLUCOSE mmol/L and press ACT.

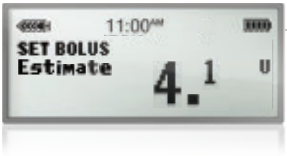
Step 3

Use ◊ to enter MEAL CARBOHYDRATES and press ACT.



Step 4

Use ◊ to scroll through your ESTIMATE DETAILS ACT.



If you decide to adjust the bolus, use the ◊ arrows to adjust, then press ACT to administer the bolus.

* The Bolus Wizard™ calculator will subtract previously bolused insulin that is still working in your body to help prevent hypoglycaemia.

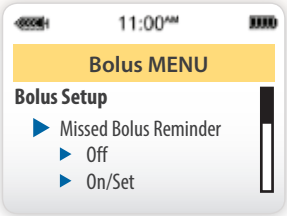
Setting the Missed Bolus Reminder

Missed Bolus Reminder feature:

When turned on: is used as a reminder to eat or deliver a Bolus within a given period of time. If you do not deliver a bolus within the Missed Bolus Reminder time period, the **MISSED BOLUS** alert will be displayed. **Press** ESC, ACT **to clear this alert.**

Add, delete and review Bolus Reminders: You have to turn on the **Missed Bolus Reminder** option to add, delete and review the programmed reminders.

> ***Note:*** *The pump is set at the factory with the Missed Bolus Reminder feature turned Off.*



Go to menu

1. Go to the MISSED Bolus REMINDER screen.
Main > Bolus > Bolus Setup > Missed Bolus Reminder
2. Select On/Set, then press ACT.

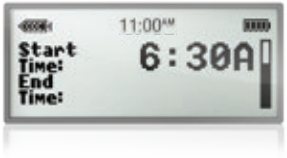
Add a Reminder

You can set up to four Missed Bolus Reminders.

If you enter the same Start Time and End Time, you will get one Missed Bolus Reminder in a 24 hour period. If you add a Missed Bolus Reminder with a start time earlier than the current pump time, you will not get this Missed Bolus Reminder until the next day.

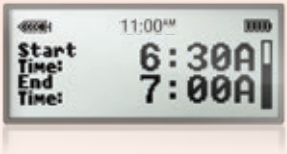
Step 1

Select Add Reminder on the MISSED Bolus REMINDER screen, then press ACT.



Step 2

The Start Time flashes. Times can be entered in 30 minute increments. Set the Start Time, then press ACT.



Step 3

After this time is set, the End Time flashes. Set the End Time, then press ACT.

Delete a Reminder

Step 1

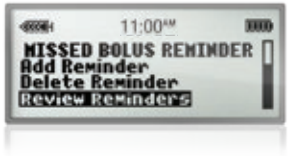
Select Delete Reminder on the MISSED BOLUS REMINDER screen and press ACT.

Step 2

In the DELETE REMINDER screen, highlight the bolus reminder that you want to delete and press ACT.

Review a Reminder

You can set up to four Missed Bolus Reminders.



Step 1

Select Review Reminders on the MISSED BOLUS REMINDER screen and press ACT.

Step 2

Review your Missed Bolus Reminders. Exit the menus when you are done.

Temporary Basal Rate

Setting a Temporary Basal Rate

To adjust the **basal rate** as needed for different everyday activities: unexpected physical activity, sports, illness, etc. Only the time duration and then the **temporary** rate need to be adjusted. This will take effect immediately!

You can also set your Temp Basal Rate as a percentage of your current basal rate.

Example: *adjusting a temporary rate of 0.05 U/h for 2 hours.*

Step 1

Select Basal SETUP from the Basal menu and press ACT.

Step 2

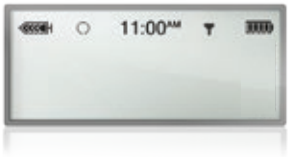
Set the DURATION using ◇.

Step 3

Press ACT.

Step 4

Set TEMP Basal U/H using ◇ and press ACT. Alternatively, you can also set Temp Basal as percentage of the Basal rate.



Step 5

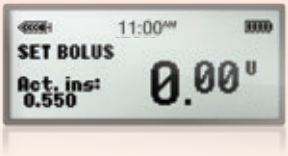
On the HOME SCREEN, an empty circle appears to indicate that this TEMPORARY BASAL RATE is in progress.

Canceling a Temporary Basal Rate

Select CANCEL TEMP BASAL from the Basal Menu and press ACT.

Express Bolus

Setting the Express Bolus



Step 1

Click on Bolus (B) and press ACT three times.

Step 2

Use arrows ⇕ to adjust bolus rate, then press ACT.

Step 3

The pump delivers a bolus immediately.

Cancelling a Bolus (Temporary stop)

Step 1

WARNING: The BOLUS and BASAL flow have been stopped. The pump is not administering any insulin while suspended.

Step 2

RESUME will restart basal rate only
All remaining bolus is cancelled following suspend.

Continuous Glucose Monitoring (CGM)

Continuous Glucose Monitoring provides better insights of low and high glucose levels and gives you more control of your diabetes with:

- **Continuous Glucose Readings** provide continuous visibility of your current glucose level 24 hours a day.
- **Trend Graphs** covering 3, 6, 12 and 24 hours give you a clearer picture of your glucose levels over time, allowing you to identify personal patterns.
- **Alerts** - different types of alerts to provide you with early warning, making it possible to minimise oncoming low and high glucose levels.

Greater Understanding with CGM

Seeing the full picture of your glucose patterns enables you to make therapy adjustments with confidence. When used with the Medtronic MiniLink™ transmitter and glucose sensor, the MiniMed® Veo™ insulin pump monitors glucose 24 hours a day, with readings updated every five minutes (up to 288 readings per day) for up to six days. You can see how the glucose is trending at all times.

Note: *If you have any questions or concerns, please consult your healthcare professional before making any therapy changes.*

Understanding the benefits of Continuous Glucose Monitoring

For this section, you will need:

- **Medtronic MiniLink™ transmitter**
- **Medtronic Enlite™ glucose sensor**
- **Medtronic Enlite™ insertion device**
- **Medtronic Enlite™ overtape**
- **MiniMed® Veo™ insulin pump**

The MiniMed® Veo™ insulin pump, shown in black.

Medtronic MiniLink™ transmitter & sensor.

Insertion of Sensor

Wash your hands thoroughly before starting.

You will need the following:

- A Medtronic Enlite™ glucose sensor at room temperature
- The Medtronic Enlite™ serter device
- Medtronic Enlite™ overtape

Select a site for insertion and choose a site free of lumps, bumps, bruises, tattoos, etc. **Remember to alternate sites.**

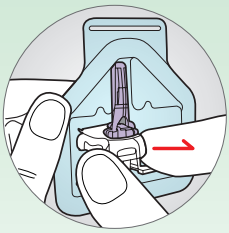
Clean the insertion site with alcohol wipes.

Insert the sensor at 90 degrees using the Enlite serter (on taut skin).

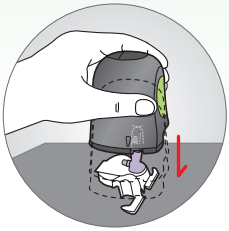
WARNING

- Ensure that the sensor is fully inserted into the skin; make sure it is not dislodged while removing the Enlite serter or the introducer needle (ref steps 7-9 on page 37).
- Once inserted, wait 5-15 minutes for the sensor to be wetted with interstitial fluid.

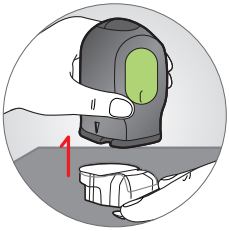
Inserting the Sensor



Step 1
REMOVE the pedestal from packaging. Place pedestal on flat surface, e.g. table.

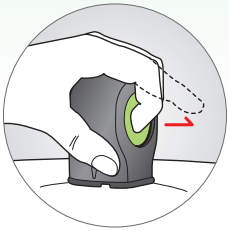


Step 2
PUSH the Enlite serter down onto the pedestal until the base of the inserter sits flat on the table.



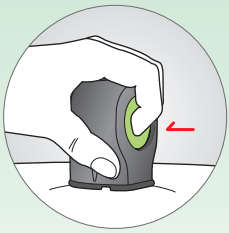
Step 3
To detach the Enlite serter from the pedestal, place two fingers over the pedestal arms and slowly pull the serter straight up.

Step 4
PLACE the base of the Enlite serter flat against your insertion site.



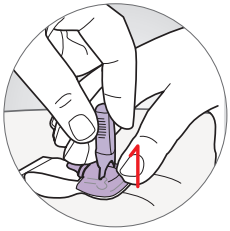
Step 5
PRESS the green button in, and then release it. Keep holding the serter in place.

Step 6
WAIT 5 SECONDS to allow the adhesive time to stick to the skin.



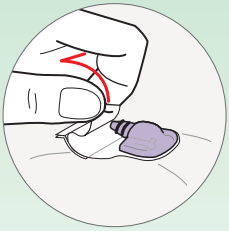
Step 7
PRESS and hold in the green button.

Step 8
While holding the button in, slowly lift the serter away from the skin.

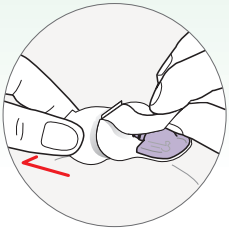


Step 9
Gently hold the base of the sensor against the skin using one hand. Hold the needle housing at the top with two fingers, and slowly pull straight up, away from the sensor.

(continued on next page)



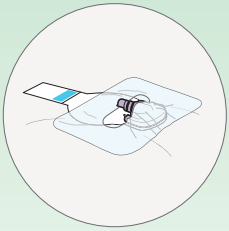
Step 10
Straighten the sensor adhesive tape so that it lies flat against the skin.

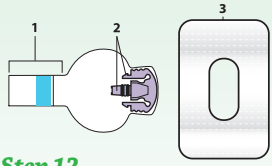


Step 11
While holding the sensor in place, gently lift the adhesive tab. Carefully remove the bottom piece of white paper from under the adhesive pad. Press the adhesive against the skin.

Dispose of the needle housing in a sharps bin after single use.

- **Do not clean or resterilise the needle.**
- **Do not extract the needle from the needle housing.**

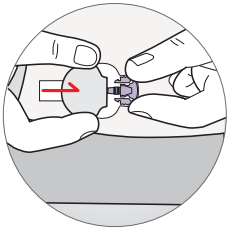




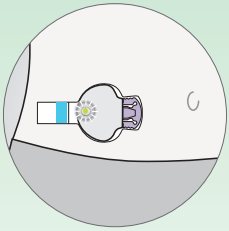
Step 12
OPTIONAL Before connecting the MiniLink™ transmitter, apply overtape. *Do not cover the adhesive tab(**1**) or sensor connectors(**2**) with overtape(**3**).*

Step 13
Wait at least 5 minutes before connecting the MiniLink™ transmitter to the sensor.

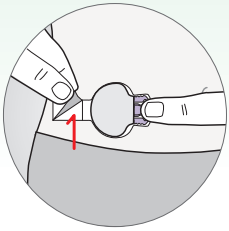
NOTE! Overtape is now shown in steps 14 – 17.



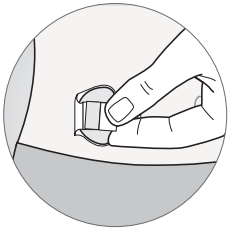
Step 14
While holding the sensor in place, slide the transmitter onto the sensor with the other hand by lining up the connection ends and gently pressing them until they "click" into place.



Step 15
Wait for the green light on the transmitter to flash green briefly.



Step 16
While holding the sensor with one finger, peel off the paper backing from the adhesive tab with the other hand.



Step 17
Fold the adhesive tab over the transmitter. Smooth adhesive onto transmitter.

Starting a Sensor

1. Sensor Start

Once the sensor is inserted under the skin:

- **WAIT** 5-15 minutes; this is the time required for the sensor to be wetted with interstitial fluid.
- **REMOVE** the MiniLink™ transmitter from its charger: it will flash green. Wait 1 minute.
- **CONNECT** the MiniLink™ transmitter to the sensor; the MiniLink™ will flash green again = ok.
- **PRESS ACT** > Main Menu > Sensor > Link to Sensor > New Sensor.
- **PRESS ACT** > SENSOR READY 2 HRS (initialising) (Note: you will not be able to view any sensor readings until after 2 hours.)

WARNING

- ALWAYS USE the same blood glucose meter.
- ALWAYS CALIBRATE when your blood glucose is stable.
- DO NOT CALIBRATE if your blood glucose is changing rapidly, i.e. soon after a meal, and/or if there is an alert present or trend arrows are present.
- REMEMBER TO CALIBRATE the sensor before going to bed so that you do not have to get up during the night.
- If you have any questions or concerns, please consult your healthcare professional before making therapy adjustments.

2. Sensor Initialisation

2 hours later the METER BG NOW alarm should sound; CLEAR the alarm: ESC , then ACT.

- **TAKE** a blood glucose meter test and **ENTER** the value into the pump.
- **ACT** > Main Menu > Sensor > Enter BG > Use ▲▼ to enter blood glucose, and then press ACT.
- Your CGM is displayed in about 15 minutes on the graph screen.

3. Sensor Calibration

A SECOND BLOOD GLUCOSE calibration will be needed in the following 6 hours. Blood glucose **CALIBRATION** will then be required **every 12 hours.**

The glucose sensor reads the glucose content in the interstitial fluid under your skin. Calibration is a process to assist in determining the correct interstitial glucose values. The MiniMed® Veo™ System will need a minimum of 2 and maximum of 4 BG measurements per day for calibration.

Key CGM Alarms

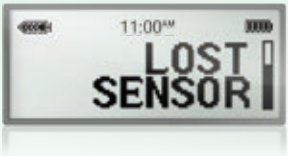
Alarms

The pump sounds a signal to alert you. A message is displayed on the screen, followed by a second screen showing the action to take.

Press ESC then ACT to clear the alarm.

Enter blood glucose for sensor calibration

> Main Menu > Sensor > Enter BG > Enter BG > Use ◇ to enter blood glucose and validate with ACT.



No communication to pump from sensor

Connect pump and sensor > Sensor > Link to Sensor > Find lost sensor.

Capillary blood glucose and sensor level are incompatible

Wait 30 minutes before checking blood glucose again. Enter the new blood glucose value.

Appears after 2 cal errors

Check transmitter.
Replace sensor.

Trend Graphs

This section allows you to review trends of your glucose levels.

- 3, 6, 12 and 24 hour graphs.

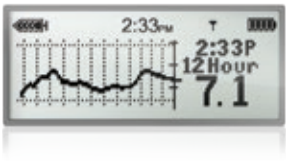
3 hour graph

From the home screen, press ESC once to access the 3 hour graph. To see variations in your glucose levels over 5 minutes press v only to navigate the graph itself.

To access 6, 12 and 24 hour graphs, once in the 3 hour graph, use the ^ button when the cursor is at the far-right of the screen.

6 hour graph

To see variations in your glucose levels over 10 minutes press v button only to move the cursor in the graph itself.



12 hour graph

To see variations in your glucose levels over 10 minutes press v button only to move the cursor in the graph itself.

24 hour graph

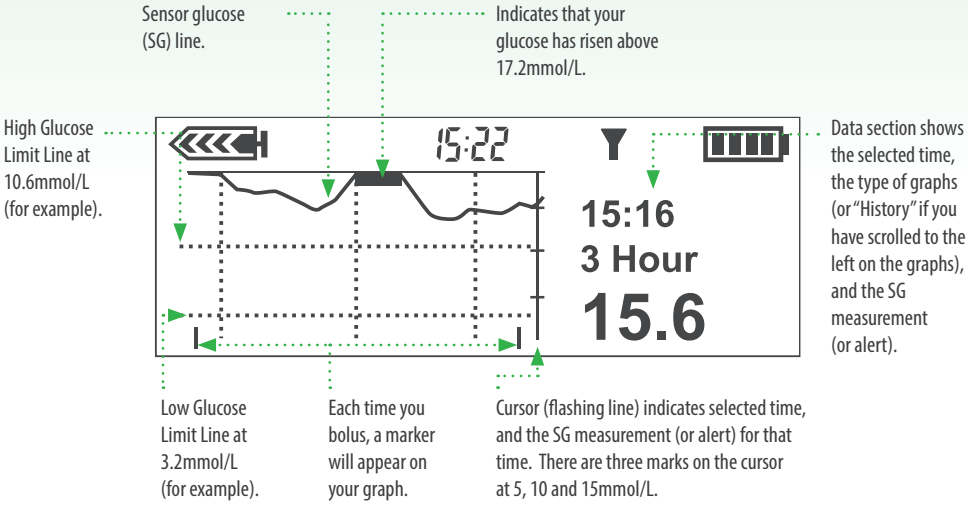
To see variations in your glucose levels over 20 minutes press v button only to move the cursor in the graph itself.

USEFUL TIPS

- Glucose level: indicates the level of your glucose in the interstitial fluid.
- This does not correspond exactly to the value obtained at the same time on your meter. There is usually a lag-time between the two values.
- Before any corrective action is taken, verify your blood glucose with a fingerstick reading.

Understand the Trend Graphs

All graphs show High and Low Glucose Limits lines, a continuous Sensor Glucose (SG) measurement line, a data section and the cursor (flashing vertical line).



When you open any graph, the cursor flashes on the right edge of the graph. There are three marks on the cursor at 5, 10 and 15 mmol/L. The data section shows the most recent SG measurement or the reason why no measurement shows, and the time in the data section matches the time at the top of the screen.

When you move the cursor left to select an earlier SG measurement, the data section of the graph turns black, the word *"History"* appears here, and the time in the data section changes to show the time when the SG measurement was taken or the reason why no SG measurement shows for that time.

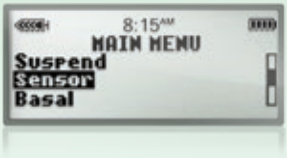
Alerts

Allows you to set your customisable alerts.

Glucose alerts will sound if your glucose level reaches or goes beyond the target you set.

To turn the alert feature on:
Make sure that the **EDIT SETTINGS** screen is open.

Turning glucose alerts on:



Step 1

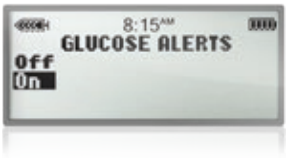
From the MAIN menu choose ▲▼ "SENSOR" and press ACT.

Step 2

From the SENSOR menu choose ▲▼ "EDIT SETTINGS" and press ACT.

Step 3

From the EDIT SETTINGS menu choose ▲▼ "GLUCOSE ALERTS: OFF" and press ACT.



Step 4

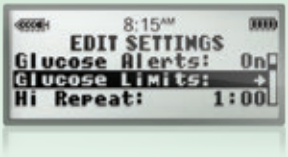
From the GLUCOSE ALERTS menu choose ▲▼ "ON" and press ACT.

USEFUL TIPS

- There are many alerts in your MiniMed® Veo™ insulin pump. In conjunction with your health care team, you may wish to add one alert at a time, to see which ones and with what setting, are most suited to you.

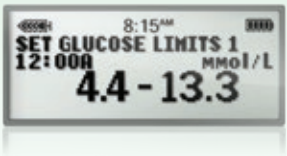
Glucose Limits

Allows you to set the high and low **Glucose Limits**.



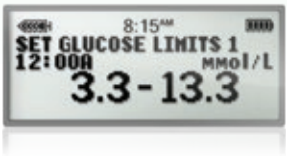
Step 1

From the SENSOR menu choose ⇕ "EDIT SETTINGS" and press ACT.



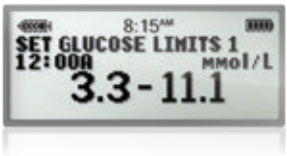
Step 2

From the EDIT SETTINGS menu choose ⇕ "GLUCOSE LIMITS" and press ACT.



Step 3

To select your LOW GLUCOSE LIMIT use ⇕ to set a value between 2.2 and 22mmol/L and press ACT.



Step 4

Next select your HIGH GLUCOSE LIMIT using ⇕ to set a higher value between 2.2 and 22mmol/L and press ACT.

Step 5

The first pair of GLUCOSE LIMITS is now set. If you do not need a second pair of Glucose Limits press ACT.

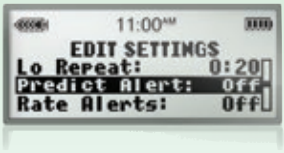
SECOND PAIR OF LIMITS?

- To set up the second Glucose Limit pair, repeat steps as above.

Predictive Alerts

The **Predictive Alerts** calculate when you may reach your Low or High Glucose Limits, then send you an alert before you reach those limits. A Predictive Alert tells you that if your sensor glucose measurements keep falling or rising at the current rate, you may reach your Glucose Limit in the number of minutes you select. This is known as the Time Sensitivity.

To set up the Predictive Alerts:



Step 1

Select PREDICT ALERT in the "EDIT SETTINGS" screen, then press ACT.

Step 2

Select ON, then press ACT.

To set up the time sensitivity:

Step 1

Select the Low Time Sensitivity, then press ACT.

Step 2

Select the High Time Sensitivity, then press ACT.

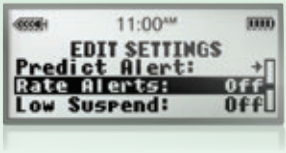
Rate of Change Alerts

The **Rate of Change Alerts** alert when your sensor glucose changes at, or faster than, the pre-determined per-minute rate.

Fall Rate: sensor glucose values falling at or faster than your pre-defined rate.

Rise Rate: sensor glucose values rising at or faster than your pre-defined rate.

To set up the Rate of Change alerts:



Step 1
Select RATE ALERTS in the "EDIT SETTINGS" screen then press ACT.

Step 2
Select the Fall Rate Limit, then press ACT.

Step 3

Step 4
Select the Rise Rate Limit, then press ACT.

Step 5

Low Glucose Suspend

Purpose

- The **Low Glucose Suspend (LGS)** is a feature designed to help **reduce the risk** of severe hypoglycaemia. If the feature is turned on, it automatically alarms and halts insulin infusion when glucose levels reach a pre-determined threshold.
- Without **patient intervention**, after a 2 hour suspension, the pump resumes basal insulin delivery.
- If **sensor detects** that glucose remains low 4 hours after resuming insulin delivery, the pump will re-suspend insulin delivery.
- May be useful for people with **hypoglycaemic unawareness** or **nocturnal hypoglycaemia**.
- This feature **will not prevent** hypoglycaemia.

Please note:

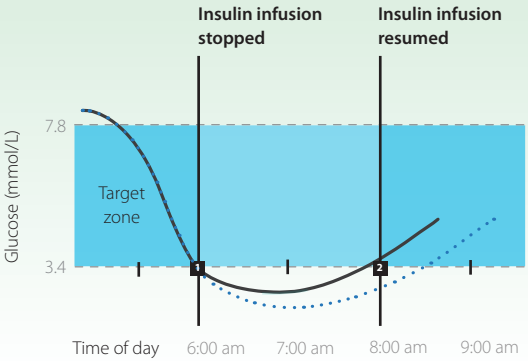
- Do not change the Sensor Graph timeout setting to "NONE."
- If you are using the Low Glucose Suspend feature and have changed the Sensor Graph timeout setting to "NONE," please follow the steps below to reset it now.
- Go to the Main Menu
- Select the Sensor Menu
- Select Edit Settings, Press ACT
- Select Graph Time Out, Press ACT
- Select 2, 4 or 6 minutes (do not select "NONE"), Press ACT

Settings

- **On/Off**
  - You need to turn on the LGS feature. (The default setting for LGS is off.)
- **Range:** 2.2 – 6.1 mmol/L.
- Should you **clear the alert** and your glucose levels stay below the threshold set for the LGS, within 10 minutes the LGS function will alarm and suspend the pump again.
- All other sensor functions remain operational during insulin suspension.

The MiniMed® Veo™ insulin pump and CGM functionalities aim at helping people reduce glucose variability

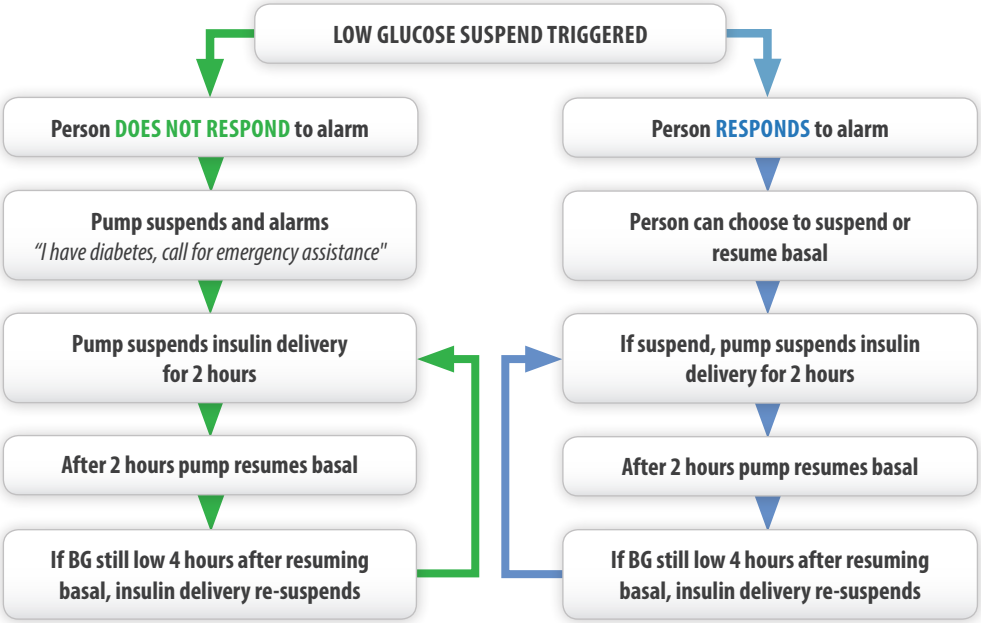
*Low Glucose Suspend in focus**



Blood glucose value with LGS
Blood glucose value without LGS

1 Insulin infusion stopped (LGS in action)
2 Insulin infusion resumed

* illustrative purposes only.



Note: *You can override Low Glucose Suspend at any time.*

Connecting the Meter to the MiniMed® Veo™

Using the **Bolus Wizard™** with the **Bayer CONTOUR® LINK meter**:

- If you use the CONTOUR® LINK meter, the results of your capillary blood glucose are automatically sent to your MiniMed® pump via wireless transmission.

Step 1

From the UTILITIES menu choose "METER OPTIONS" and press ACT.

Step 2

From the METER OPTION menu choose ▲▼ "ON" and press ACT.

Step 3

From the METER ID menu choose ▲▼ "ADD ID" and press ACT.

Step 4

Enter the SERIES NUMBER* of your Bayer Contour® Link meter reader using ▲▼ and press ACT after each digit to confirm ACT.

* The serial number is on the back of your Bayer CONTOUR® LINK Meter.

When using the Bayer CONTOUR® LINK with the Bolus Wizard™ the Blood Glucose reading will be used by the Bolus Wizard™ for 15 minutes after a test, so you donít need to manually enter this value.

For more information, refer to your meter instruction manual.

CareLink® Therapy Management Software: for you and your Healthcare Professional

Bringing it all together

CareLink® therapy management software gives you an overall picture of how your glucose levels are behaving. The software combines data from the glucose sensor, glucose transmitter, glucose meters and MiniMed® Veo™ insulin pump to create a truly integrated diabetes management system. CareLink® Personal and CareLink® Pro software enhance the way you manage your diabetes, by organising glucose information into easy-to-read charts, graphs and tables.

How to Upload Data into CareLink® Personal Therapy Management Software:
1. Sign up: Go to **carelink.medtronicdiabetes.com,** click the "sign up now" button and register to use the system.
2. Sign in: Access the system using your newly created username and password.
3. Upload: Click the "upload" tab and follow the onscreen instructions along with the Medtronic CareLink® USB to transfer data from the pump to the computer.

For you – ***CareLink® Personal***

- Allows you to upload information from your diabetes management devices to a free and secure online database (http://carelink.medtronicdiabetes.com).
- Helps you to understand the effects of insulin, carbohydrates, and exercise on your glucose levels.
- Helps maximise your therapy by assisting you in identifying glucose patterns and problems.

For your Healthcare Professional – ***CareLink® Pro***

- Allows your Healthcare Professional (HCP) to access the information you have previously uploaded using Medtronic CareLink® Personal software.
- Produces detailed reports that help your HCP to spot trends.
- Helps your HCP to develop an advanced understanding of your diabetes and optimise your therapy.

Refer to "carelink.medtronicdiabetes.com" and Chapter 11 in the MiniMed® Veo™ User Guide

Personalise Your Pump

Pumps with SKINS.

Make It Yours

Personalise your MiniMed® Veo™ insulin pump with a skin of your choice.
Visit www.medtronic.skinit.com for further information.

MiniMed® Veo™ SKINS
Pink Butterfly

MiniMed® Veo™ SKINS
Lenny the Lion

MiniMed® Veo™ SKINS
Surfing

MiniMed® Veo™ SKINS
Van Gogh - The Starry Night

MiniMed® Veo™ SKINS
i Heart penguin

MiniMed® Veo™ SKINS
Psychedelic Circles

Notes

Safety Information

Insulin Pump Therapy and Medtronic MiniMed® Insulin Infusion Pumps

Patients should always discuss the benefits and potential risks with a clinician. Please review the product's technical manual prior to use for detailed instructions and disclosure. **Indications for use** The insulin pump is indicated for the continuous delivery of insulin, at set and variable rates, for the management of diabetes mellitus in persons requiring insulin. **Contraindications** Insulin pump therapy is not recommended for people who are unwilling or unable to perform a minimum of four blood glucose tests per day and to maintain contact with their healthcare professional. While features exist to help facilitate pump usage, Medtronic Diabetes does not recommend the use of this product by individuals whose impaired vision or hearing does not allow full recognition of the pump signals and alarms.

Medtronic Diabetes Continuous Glucose Monitoring

Indications for use The CGM System is intended to continuously record interstitial glucose levels in persons with diabetes mellitus. This information is intended to supplement, not replace, blood glucose information obtained using standard home glucose-monitoring devices. A confirmatory fingerstick is required prior to treatment. This information collected by CGM may be downloaded and displayed on a computer and reviewed by you and your healthcare professional. This information may allow identification of patterns of glucose-level excursions above or below the desired range, facilitating therapy adjustments that may minimise these excursions. **Contraindications** Successful operation of CGM requires adequate vision and hearing. Use of CGM is not recommended for patients whose impaired vision or hearing does not allow full recognition of the monitor signals and alarms, or who do not have a caregiver who can perform this function for them.

References

*Based on total number of pump consumables sold nationally, NDSS sales date 2011.

Believe in better control™

Connect with Medtronic Diabetes

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MiniMed® Veo™ Paradigm™ System