Get to know the Animas® Vibe™ insulin pump and CGM* system.

* Continuous glucose monitoring with Animas “Vibe” is indicated for patients 2 years and older only.

Distributed in New Zealand by:
Hello.
Get to know Animas.

We make insulin pumps. And we give our time, guidance and support to the people who use them.

We’re big fans of insulin pumps because they can help you manage your blood glucose. In fact, pumps help you maintain tighter control, lowering the risk of complications associated with variable blood glucose levels, as well as the risk of severe hypoglycaemia compared with multiple daily injections.¹²

How a pump looks, feels and acts is important, too—after all, it’s your constant companion. That’s why we have put the features that benefit you most into our pumps.

All for this simple purpose: to help you perform at your best every day.
The Animas® Vibe™ insulin pump and CGM system.

Loaded with helpful features, the Animas® Vibe™ insulin pump is designed to give you more lifestyle flexibility and better day-to-day management of your blood glucose levels.

The Animas® Vibe™ insulin pump and CGM system combines state-of-the-art Dexcom G4™ PLATINUM Sensing technology with high-performance Animas insulin pumping. Features like highlighted screen navigation make programming of the pump convenient, while allowing for fine-tuned insulin delivery to precisely meet your needs. It’s also CGM-enabled so after the 2-hour start-up period, you can see what your glucose is up to any time you want, in full-on, colour-coded action, when paired with the Dexcom G4™ PLATINUM system.

Continuous glucose monitoring with Animas’ Vibe™ is indicated for patients 2 years and older only.
An introduction to insulin pumps. (Inspired by the human pancreas.)

When doctors and scientists first developed insulin pumps in the 1970s, their goal was to imitate the world’s best blood glucose control device: a healthy pancreas. Today, they’re well on their way. Hundreds of thousands of people around the world are pumping insulin instead of taking multiple daily injections of insulin—and enjoying better control and more freedom in their lives than ever before.

About the basal and the bolus.
Insulin pumps are a tool to help you manage your blood glucose by mimicking the way a healthy pancreas delivers insulin. They continuously release small amounts of rapid-acting insulin to keep blood glucose levels steady between meals and during sleep. This is called basal insulin. Basal insulin is adjustable throughout the day and night to meet changing insulin needs.

At meal or snack time, with just a few button presses, our pumps can deliver the amount of insulin needed to match the grams of carbohydrate in the food you eat, much like a healthy pancreas would. This is called bolus insulin. Bolus doses can also be given to correct high blood glucose between meals.

About continuous glucose monitoring (CGM).
The Animas® Vibe® insulin pump is a CGM-enabled pump, meaning that in addition to delivering basal and bolus insulin, it also lets you see what your glucose is doing by graphing and displaying its “movement” every 5 minutes,* when paired with the Dexcom G4® PLATINUM CGM system. It’s information you can see at a glance and, along with your fingerstick results, use to help guide insulin adjustments.†

*Glucose values are not visible during the 2-hour start-up period.
†You must confirm your glucose reading with a fingerstick test before taking action.
The ups and downs of insulin.

**Basal Insulin**
A constant flow of insulin to keep blood glucose levels steady between meals.

**Bolus Insulin**
A mealtime dose of insulin to match the grams of carbohydrate in food.
New to pumping insulin?
Here are its 5 big advantages.

Overall, insulin pump therapy is a great alternative to consider for managing your blood glucose. Here’s a quick look at its main advantages.

1. **Lower HbA1c levels overall.**
   Studies show that people who use insulin pumps have lower HbA1c levels—a measure of blood glucose levels over time—than those who take multiple daily injections. That’s important, because research shows that the lower the HbA1c, the lower the risk of developing long-term complications.

2. **Better day-to-day blood glucose control.**
   All kinds of things can affect good control—from stress to illness to travel. Pumps help make things more manageable compared with multiple daily injections by enabling you to adjust your insulin at any time to meet these different challenges. So pump users may feel like they finally “got off the roller coaster.”

3. **Fewer severe hypoglycaemic episodes.**
   Pump users have been shown to experience fewer episodes of severe hypoglycaemia than those who take injections.

4. **More flexibility.**
   Insulin pumps are designed to keep up with schedules that change from day to day. Unlike multiple daily injections, pumps give you the freedom to sleep in, decide when you want to eat, choose when and how long to exercise, and so on.

5. **Fewer injections.**
   Intensive therapy with multiple daily injections can add up to as many as 1,460 needle sticks a year. Meanwhile, pumps require an infusion set change only about three times a week, or 156 insertions a year.
Every day, people are enjoying the freedom and control pumping insulin gives them. And you can, too.
You have the flexibility to wear your insulin pump almost anywhere.
The basics of using an insulin pump.

While insulin pumps have a big job to do, they’re surprisingly small. Though worn outside the body, they’re easily concealed under clothing or tucked into a pocket.

About the pump itself.
Our insulin pumps are good-looking little devices about the size of a mobile phone. Each has a flat panel, high-contrast colour screen, three buttons for navigation and a cartridge filled with rapid-acting insulin. A compact motor delivers precise amounts of insulin from the cartridge into your body through an infusion set.

About infusion sets.
An infusion set is a small, flexible tube placed just beneath your skin with the help of an insertion device and then held in place with adhesive. There are many kinds of infusion sets available. You can experiment to find the one most comfortable for you.

Your infusion set can be placed in a number of areas, including your abdomen, thigh or buttocks, and only needs to be changed every 2 to 3 days. You can disconnect it for short periods of time for things like contact sports or intimacy. Reconnecting it is a snap.

About the many options for wear.
Your infusion set is connected to a longer tube that in turn connects to your pump.

There are different lengths of this tubing available, which gives you the flexibility to wear your pump almost anywhere. If you like things close—say, pump in your pocket, infusion set on your abdomen—go shorter. If you’re tall or prefer things farther apart, go longer.

We especially like inset’ II and inset’ 30.
inset’ II is a straight set and inset’ 30 is an angled set, terms that describe the way they enter the skin. They come in compact, disposable units and can be inserted with one hand.* They also come in fun colours that match our pumps.

*Placement and insertion for both inset’ II and inset’ 30 can be completed one-handed. When removing the introducer needle, inset’ 30 requires holding the set in place with the other hand.
Managing your blood glucose
Questions to ask yourself.

1. Would you like to see an improvement in your HbA1c?

2. Do the times you eat, sleep or exercise vary from day to day?

3. Does better day-to-day blood glucose control vs. multiple daily injections sound good?

4. Does your blood glucose “jump around” more than you’d like?

5. Would you like to decrease severe low blood glucose episodes?

6. Do you like the idea of having fewer injections (changing the infusion set every 2 to 3 days vs. multiple injections per day)?

7. Would you like to adjust your insulin for exercise or corrections instead of having to snack?

If you answered “yes” to any of the questions above, using an insulin pump may be right for you.* Talk to your healthcare professional for further advice.

*A good knowledge of carbohydrate counting is required.
Already using an insulin pump?
Here are some advantages to continuous glucose monitoring (CGM).

A more complete glucose picture. With a CGM-enabled pump, you can see what your glucose is doing at all times after the 2-hour start-up period. This information, when paired with a CGM system, is designed to augment the information from fingerstick tests to help guide therapy adjustments.

Customisable alarms to indicate high and low glucose levels. You might not always have symptoms when your glucose is too high or too low. CGM-enabled pumps let you set alerts so you can stay on top of it.

Reductions in HbA1c. People who were already pump users experienced less glycaemic variability and also lowered their HbA1c levels even more with the addition of CGM.*

*You must confirm your glucose reading with a fingerstick test before taking action.
Next-generation CGM-enabled insulin pumping has arrived. Say hello to the Animas® Vibe™ insulin pump and its CGM system.

The Animas® Vibe™ insulin pump and CGM system combines state-of-the-art Dexcom G4™ PLATINUM Sensing technology with high-performance Animas insulin pumping. It’s the first CGM-enabled insulin pump with a high-contrast colour screen for outstanding readability, revealing trends and rates of change at a glance.*

*Continuous glucose monitoring with Animas® Vibe™ is indicated for patients 2 years and older only.
It wirelessly sends results to your pump via the small, waterproof Dexcom G4™ Transmitter*†

It’s always up for a swim, because it’s proven waterproof for up to 24 hours at 3.6 metres'

It shows continuous glucose data in 1-, 3-, 6-, 12-, and 24-hour increments

It has colour-coded trend arrows that indicate the direction and rate of glucose change (red=high, blue=low, green=target)

A customisable food database for accurate carbohydrate counting‡

Shortcuts and highlighted screen navigation make programming of the pump convenient

The first CGM-enabled insulin pump to have a high-contrast colour screen

It reveals highs and lows with colour-coded trend lines (blue, red, or green)

*The Dexcom G4™ Transmitter is waterproof up to 24 hours at 2.4 metres.
†CGM readings may not be displayed when in water.
‡When using Diasend® software to customise and then upload a food database to your pump.
We like to fine-tune your insulin to you.
We give you a small basal increment (0.025 U/hr) across all the available basal rates (0.025 U/hr to 25 U/hr), to precisely meet your changing needs.

We've got basal profiles that are personalised.
Program up to four different basal rate profiles for different insulin needs.

We've got precise bolus dosing.
Our low bolus increment (0.05 U) helps precisely match insulin with food intake and corrects high blood glucose readings.

Our pump can:
> Calculate a bolus amount to cover the carbs in the food you've eaten (ezCarb)
> Automatically calculate a correction dose of insulin based on your latest blood glucose reading (ezBG)

We keep our eye on the insulin that’s active.
Our “Insulin on Board” feature tracks the insulin still active in your body to help prevent hypoglycaemia due to “stacking” (taking additional insulin unnecessarily).

We know you have better things to do than change a battery.
When used with a lithium battery,* the Animas® Vibe™ insulin pump lasts for up to 3 weeks.

We have a bolus for every appetite.
Know your bolus?
Our normal bolus lets you calculate the insulin and deliver it all at once.

Eating a high-fat meal, which is absorbed more slowly, or “grazing?”
Our combo bolus lets you calculate the amount and split it, so some is delivered right away (normal bolus) and the rest over time (extended bolus).

We think a pump that’s waterproof just makes sense.
Our pumps are tested and proven waterproof at 3.6 metres for up to 24 hours. So you get uninterrupted insulin delivery while swimming or taking a bath, and peace of mind when you have unexpected contact with water.

We’d never get between you and your infusion set.
Our pump is compatible with all insulin infusion sets using standard Luer lock connectors, so you’re free to find the one that fits you best. inset® II and inset® 30 are two great options.

*Energizer L91 lithium battery.
†The Dexcom G4 Transmitter is waterproof up to 24 hours at 2.4 metres.
The great thing about pumping insulin is that it lets you adjust your insulin to match your body’s changing needs.
Fingerstick testing alone versus CGM.

Fingersticks give you an accurate blood glucose reading so you know how much insulin to give yourself. However, they can’t give you the complete picture of your glucose highs, lows and rates of change over time. That’s where CGM comes in.
About CGM.
With CGM, a small sensor inserted beneath your skin transmits glucose readings to your pump every 5 minutes.* You can see if your glucose is going up or going down and how fast, view your trends across various blocks of time and consider the information, along with your fingerstick results, to help guide insulin adjustments.

CGM doesn’t replace fingerstick testing; rather, it works with it. The idea is to use CGM to determine the direction your glucose is headed and the rate of change, then use your fingerstick test to determine your insulin dose.

Here’s a closer look at how the CGM sensor, transmitter and pump work.

About the sensor.
The sensor is a wire inserted underneath your skin with the help of an insertion device and held in place with adhesive, similar to the way your infusion set is attached.

It continuously reads the glucose levels in the fluid in your tissues (called interstitial fluid). Sensors are disposable. Generally speaking, they are indicated for 7 days of continuous wear.

It’s very important to note that interstitial fluid contains slightly different glucose values than those found in your blood, so the sensor’s job is not to tell you what your number is—that’s still the job of your meter. Instead, the sensor tracks how your glucose is behaving, which is something your meter can’t do.

About the transmitter.
The transmitter clips into place inside a plastic sensor pod that’s attached to the adhesive and sensor. It wirelessly sends your sensor-measured glucose readings to your insulin pump.

About the CGM-enabled pump.
The CGM-enabled Animas® Vibe™ insulin pump displays your glucose trends right on the screen, so you can see what’s happening any time you want after the two-hour start-up period.† It also has customised alerts that can tell you when you’re going high or low. The Dexcom G4™ PLATINUM Sensor that works with the Animas® Vibe™ insulin pump is indicated for up to 7 days of wear.

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* You must confirm your glucose reading with a fingerstick test before taking action.
† Glucose values are not visible during the 2-hour start-up period.
The CGM-enabled Animas® Vibe™ insulin pump. Performance that’s simply advanced.

The Animas® Vibe™ insulin pump and CGM system combines state-of-the-art Dexcom G4™ PLATINUM Sensing technology with high-performance Animas insulin pumping. That means it gives you the outstanding features Animas’ pumps are known for, like waterproof* durability, fine-tuned dosing and a self-illuminating display. It’s also designed to streamline the whole CGM experience for you, while giving you a full-colour view of how your glucose is behaving.

The Animas® Vibe™ insulin pump, like all CGM-enabled pumps, is designed to give you a more complete picture of your glucose than multiple daily injections. And it also gives you this combination of great features.

**It shows you your glucose in full-on, colour-coded action.**

Animas® Vibe™ is the first CGM-enabled insulin pump to have a high-contrast colour screen. It delivers rich information, too. Coloured trend arrows and lines show where your glucose is heading and how fast, so you can consider this information, along with the results of fingerstick testing, to help guide therapy adjustments.†

**It’s got up to a week’s worth of convenience built right in.**

The Animas® Vibe™ insulin pump is the only CGM-enabled pump that works with a sensor indicated for up to 7 days of wear.

**It’s got simplified calibration rules.**

Twice-daily calibration aligns your fingerstick reading with your CGM system so the values correspond. The Animas® Vibe™ insulin pump lets you calibrate when it’s convenient, as long as your glucose reading is between 2.2 mmol/L and 22.2 mmol/L.‡

**It’s tuned into you.**

You can’t always feel symptoms when you’re going high or going low, but our customisable high and low alerts let you know. We also have a built-in, non-adjustable hypo alert set at 3.1 mmol/L for extra peace of mind.

**Accuracy is practically its middle name.**

The Dexcom G4™ PLATINUM Sensor has excellent overall accuracy:

**It gives you Diasend™ for the bigger CGM picture.**

Diasend™ lets you upload your Animas® Vibe™ insulin pump and meter data. It stores this information on the secure Diasend™ web site and also sorts it into charts and graphs, so you can review how you’re doing and share it with your healthcare professional, even between appointments.¶

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*Glucose values may not be captured when the pump or transmitter is immersed in water.
†You must confirm your glucose reading with a fingerstick test before taking action.
‡Calibration must be taken at least every 12 hours.
§Sixty patients were followed for 7 days while wearing the Dexcom G4™ Sensor. The sensor was calibrated after the first hour and then approximately every 12 hours thereafter using manual entry self-monitoring of blood glucose from a OneTouch® Ultra®2 Meter.
¶Diasend™ works with most meters. To view the list of meters that are supported by Diasend™, please visit the Diasend™ website www.diasend.com.
#Diasend™ is compatible with PCs running Microsoft® Vista®, Microsoft® Windows® XP, Windows® 7, Windows® 8 and Apple computers running MAC OS® 10.5.7 or later.
Is CGM right for you?

Here are some things to think about.

1. You want to see what your glucose is doing 24/7 on a high-contrast colour screen.
2. You want to be alerted to your highs and lows.
3. You want the safety of a hypo alert that’s fixed at 3.1 mmol/L.
4. You want to use the information that CGM provides, along with your fingerstick results, to help guide insulin adjustments.
5. You want a sensor that’s indicated for up to a week of wear.

*Glucose values are not visible during the 2-hour start-up period.
†You must confirm your glucose with a fingerstick test before taking action.
Day and night, we’re here for you.

We know that insulin pumps, used successfully, give you the potential to live a healthier, more flexible lifestyle.

Going above and beyond to help people through the pump decision-making process, and then continuing to be on call 24/7 afterwards, is what we’re all about.

We are question answerers, encouragers, teachers, tutors, troubleshooters, partners and friends to the people who turn to us. We hold ourselves to a standard that is, in a word, exemplary.

Count on us for:
> Handling questions and concerns
> Pump training and education
> Peace of mind whilst abroad

Our representatives are on call at:
(freephone) 0508 634 103
Safety Information

ANIMAS® VIBE® INSULIN PUMP AND DEXCOM G4® PLATINUM SYSTEM (ANIMAS® VIBE® SYSTEM)

When used together with the Dexcom G4® PLATINUM Continuous Glucose Monitoring (CGM) System, the Animas® Vibe® Insulin Pump provides both continuous insulin delivery and continuous glucose monitoring in persons (age 2 and older) with diabetes.

The Dexcom G4® PLATINUM System is a glucose-monitoring device indicated for detecting trends and tracking patterns in persons (age 2 and older) with diabetes. The System is intended for use by patients at home and in healthcare facilities.

The Dexcom G4® PLATINUM System is indicated for use as an adjunctive device to complement, not replace, information obtained from standard home glucose monitoring devices.

The Dexcom G4® PLATINUM System aids in the detection of episodes of hyperglycaemia and hypoglycaemia, facilitating both acute and long-term therapy adjustments, which may minimise these excursions. Interpretation of the Dexcom G4® PLATINUM System results should be based on the trends and patterns seen with several sequential readings over time.

CONTRAINDICATIONS, WARNINGS AND PRECAUTIONS – DEXCOM G4® PLATINUM CGM SYSTEM

The Dexcom G4® PLATINUM System IS NOT APPROVED FOR USE in children UNDER 2 years old, pregnant women or persons on dialysis.

- Do Not use the Dexcom G4® CGM PLATINUM System until after you have been trained or viewed the training materials included with your CGM System.
- The BG value from your BG meter should be used for treatment decisions, such as how much insulin you should take. The Dexcom G4® PLATINUM System does not replace a BG meter. BG values may differ from Sensor glucose readings. The direction, rate of glucose change, and trend graph from your Dexcom G4® PLATINUM System and displayed on your pump provide additional information to help with your diabetes management decisions.
- Symptoms of high and low glucose should not be ignored. If your Sensor glucose readings do not fit with your symptoms, you should measure your BG with a BG meter.
- Your Sensor glucose readings may be inaccurate if you calibrate less than every 12 hours.
- Sensors may fracture on rare occasions. If a Sensor breaks and no portion of it is visible above the skin, Do Not attempt to remove it. Seek professional medical help if you have symptoms of infection or inflammation — redness, swelling or pain — at the insertion site. If you experience a broken Sensor, please report this to your local Animas distributor. See the Reference Sheet included with your Animas® Vibe® Insulin Pump for contact information for your local Animas distributor.
- Sensor placement IS NOT APPROVED for sites other than under the skin of the belly (abdomen) for adults. For patients between 2-17 years old, the belly or upper buttocks may be used as sites.
- If your Transmitter case is damaged/cracked, Do Not use it, as this could create an electrical safety hazard or malfunction.
- Your Animas® Vibe® System will not automatically make insulin adjustments based on CGM readings. You must take a fingerstick test with your BG meter and use that BG value to make any insulin or treatment decisions. Insulin dosing decisions should not be based solely on results from the Dexcom G4® PLATINUM System.

If you are using the Dexcom G4® PLATINUM CGM System with your pump, taking acetaminophen (paracetamol) containing medications while wearing the Sensor may falsely raise your Sensor glucose readings. The level of inaccuracy depends on the amount of acetaminophen (paracetamol) active in your body.

The Sensor and Transmitter must be removed prior to Magnetic Resonance Imaging (MRI), CT scan, or diathermy treatment. The Sensor and Transmitter have not been tested during MRI or CT scans or with diathermy treatment, and it is unknown if there are safety or performance issues.

The pump and any type of metallic infusion set must be removed prior to an MRI, and left outside the room during the procedure.

Use only as directed.

Your healthcare professional will advise you whether this insulin pump is suitable for you.
REFERENCES:

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