INSULIN **PUMPS**

COMPANY/PRODUCT	SIZE AND WEIGHT	BATTERY	RESERVOIR	INFUSION SET	BASAL RANGE	BOLUS RANGE	DETAILS
INSULET CORP. Omnipod 	**POD:** 1.53 x 2.05 x 0.57 in. 0.88 oz. with empty reservoir **PERSONAL DIABETES MANAGER (PDM):** 2.4 x 4.4 x 0.98 in. 4.4 oz. with batteries	**POD:** Battery integrated **PDM:** 2 AAA	200-unit reservoir built into pod	Does not use tubing. Pod comes with a built-in cannula that inserts with a button press on the PDM.	From 0.05 to 30 units per hour in 0.05-unit increments	From 0.05 to 30 units. Increments of 0.05, 0.1, 0.5, or 1 unit. Insulin-to-carb ratio in whole units only.	Does not use tubing. The system includes a pod that is worn for up to 72 hours and a remote personal diabetes manager (PDM) that controls the pod's functions and has a built-in blood glucose meter. Pod must be within 5 feet of the PDM to deliver bolus doses. The pod delivers basal insulin regardless of how close it is to the PDM. The PDM contains more than 1,000 common foods (with nutrition information) and stores up to 36 preset carb values. Pod is waterproof for up to 25 feet deep for 60 minutes, so there's no need to disconnect while swimming or bathing. The PDM is not waterproof. Works with Glooko and Tidepool data-management systems. Approved for use by adults and children.
INSULET CORP. Omnipod Dash 	**POD:** 1.53 x 2.05 x 0.57 in. 1.06 oz. with empty reservoir **PERSONAL DIABETES MANAGER (PDM):** 2.48 x 5.1 x 0.39 in. 6.2 oz. with battery	**POD:** Battery integrated **PDM:** Rechargeable lithium ion battery	200-unit reservoir built into pod	Does not use tubing. Pod comes with a built-in cannula that inserts when activated via the PDM.	From 0 to 30 units per hour in 0.05-unit increments	From 0.05 to 30 units. Increments of 0.05, 0.1, 0.5, or 1 unit. Insulin-to-carb ratio in whole units only.	Does not use tubing. The system includes a pod that is worn for up to 72 hours and a personal diabetes manager (PDM) with color touch screen that controls the pod's functions. The PDM works wirelessly with the Contour Next One blood glucose meter so users can see blood glucose readings in the PDM's bolus calculator. The Omnipod Display app allows users to view PDM data on their smartphones, and the View app allows users to share their insulin data remotely with up to 12 people. Pod must be within 5 feet of the PDM to deliver bolus doses. The pod delivers basal insulin regardless of how close it is to the PDM. The PDM features an integrated CalorieKing food library with more than 80,000 foods and drinks (English only) and stores up to 50 preset carb values. Pod is waterproof for up to 25 feet deep for 60 minutes, so there's no need to disconnect while swimming or bathing. The PDM is not waterproof. Works with Glooko and Tidepool data-management systems. Approved for use by adults and children 2 and over.
MEDTRONIC DIABETES MiniMed 630G System 	2.1 x 3.78 x 0.96 in. 3.7 oz. without battery and with empty reservoir	1 AA	300-unit reservoir	Compatible with Medtronic infusion sets only	From 0.025 to 35 units per hour in 0.025-unit increments for up to 0.975 units. Increments of 0.05 units for between 1 and 9.95 units. Increments of 0.1 units for 10 units or more.	From 0.025 to 25 units. Increments of 0.025 units. Insulin-to-carb ratio allows for fractions of grams.	The MiniMed 630G combo pump–CGM uses SmartGuard technology to stop insulin delivery for up to 2 hours if the glucose level reaches a preset low limit and the user doesn't react to a low-glucose alarm. (For more on its CGM functions, flip to p. 56.) Pump is waterproof for 12 feet deep for up to 24 hours, has remote bolus functionality via the Contour Next Link 2.4 meter, and features a full-color screen. Works with CareLink Personal software (compatible with Windows and Mac operating systems) to upload and manage pump and CGM data. Pump only and pump with Guardian Sensor 3 are approved for use by adults and children 14 and over. Pump with Enlite sensor is approved for adults and children 16 and over.

INSULIN **PUMPS**

COMPANY/PRODUCT	SIZE AND WEIGHT	BATTERY	RESERVOIR	INFUSION SET	BASAL RANGE	BOLUS RANGE	DETAILS
MEDTRONIC DIABETES MiniMed 670G System 	2.1 x 3.78 x 0.96 in. 3.7 oz. without battery and with empty reservoir	1 AA	300-unit reservoir	Compatible with Medtronic infusion sets only	From 0.025 to 35 units per hour in 0.025-unit increments for up to 0.975 units. Increments of 0.05 units for between 1 and 9.95 units. Increments of 0.1 units for 10 units or more.	From 0.025 to 25 units. Increments of 0.025, 0.05, and 0.1 units. Insulin-to-carb ratio allows for fractions of grams.	The MiniMed 670G, a hybrid closed-loop pump, features SmartGuard technology that, when in Auto Mode, automatically adjusts basal insulin delivery based on the user's CGM sensor glucose readings and recent insulin delivery. (For more on its CGM functions, turn to p. 56.) It still requires users to enter carb grams and confirm mealtime and correction bolus recommendations. User can switch to a different SmartGuard option that automatically stops insulin delivery 30 minutes before glucose reaches a preset low limit and resumes when glucose values rise to a safe level. Pump is waterproof for 12 feet deep for up to 24 hours and features a full-color screen. Works with the Contour Next Link 2.4 meter to transfer blood glucose readings and bolus remotely. Works with CareLink Personal software (compatible with Windows and Mac operating systems) to upload and manage pump and CGM data. Approved for use by adults and children 7 and over with type 1 diabetes.
SOOIL DEVELOPMENT Dana Diabecare IIS 	3.07 x 1.81 x 0.78 in. 2.15 oz. with battery and full reservoir	(1) 3.6-volt DC lithium	300-unit cartridge	Compatible with Sooil infusion sets only	From 0.04 to 16 units per hour in 0.01- or 0.1-unit increments	From 0.1 to 80 units in 0.1-, 0.5-, or 1-unit increments. Insulin-to-carb ratio in whole units only.	Menu uses icons instead of words. Available in five colors. Pump is waterproof for 3.3 feet deep for up to 1 hour. Does not work with data-management software. Approved for use by adults and children 7 and over.
TANDEM DIABETES CARE T:slim X2 Insulin Pump With Basal-IQ Technology 	3.13 x 2 x 0.6 in. 3.95 oz. with battery and full reservoir	Rechargeable lithium polymer battery	300-unit reservoir	Compatible with Tandem infusion sets only	From 0.1 to 15 units per hour in 0.001-unit increments	From 0.05 to 25 units in 0.01-unit increments with an option for up to an additional 25 units. Insulin-to-carb ratio allows for fractions of grams.	The T:slim X2 works as a combo pump-CGM, without the need for finger sticks, when used with an integrated Dexcom G6 CGM. (For more on its CGM functions, turn to p. 56.) Basal-IQ technology predicts glucose levels and stops insulin delivery if glucose is expected to drop below 80 mg/dl in the next 30 minutes. Insulin delivery resumes once glucose begins to rise. The pump has a color touch screen. In-warranty pumps can be updated remotely via computer, without requiring purchase of a new device. Pump is watertight for 3 feet deep for up to 30 minutes. The device can upload pump and CGM data to Tandem's web-based T:connect Diabetes Management Application; also compatible with Tidepool and Glooko data-management systems. Approved for use by adults and children 6 and over.
TANDEM DIABETES CARE T:slim X2 Insulin Pump With Control-IQ Technology NEW 	3.13 x 2 x 0.6 in. 3.95 oz. with battery and full reservoir	Rechargeable lithium polymer battery	300-unit reservoir	Compatible with Tandem infusion sets only	From 0.1 to 15 units per hour in 0.001-unit increments	From 0.05 to 25 units in 0.01-unit increments with an option for up to an additional 25 units. Insulin-to-carb ratio allows for fractions of grams.	The T:slim X2 works as a hybrid closed-loop pump to predict glucose levels 30 minutes in advance and automatically adjust basal insulin delivery, based on glucose readings from a Dexcom G6 CGM, without the need for finger sticks. (For more on its CGM functions, turn to p. 56.) Control-IQ technology allows the system to automatically deliver a correction bolus of approximately 60 percent of your normal correction dose. It can do this once per hour, if needed. Users are still required to bolus for meals. The pump has a color touch screen. In-warranty pumps can be updated remotely via computer, without requiring purchase of a new device. Pump is watertight for 3 feet deep for up to 30 minutes. The device can upload pump and CGM data to Tandem's web-based T:connect Diabetes Management Application; also compatible with Tidepool and Glooko data-management systems. Approved for use by adults and children 14 and over.

INSULIN **DELIVERY PATCH**

Not just a patch, not quite a pump. That's the mantra of the Valeritas V-Go insulin delivery device, which is approved for adults with diabetes who require insulin. You can stick the V-Go patch to your abdomen or the back of your arm for a continuous stream of insulin for 24 hours. Mealtime boluses are also just a button click away.

SIZE AND WEIGHT: 2.4 x 1.3 x 0.5 in.; 0.7 to 1.8 oz. filled, depending on units of insulin used

RESERVOIR: V-Go 20: 56 units total (20 units basal over 24 hours; up to 36 units bolus in 2-unit increments); V-Go 30: 66 units total (30 units basal over 24 hours; up to 36 units bolus in 2-unit increments); V-Go 40: 76 units total (40 units basal over 24 hours; up to 36 units bolus in 2-unit increments)

INFUSION SET: Does not use tubing. Comes with a built-in 30-gauge, 4.6-millimeter stainless-steel needle with a 90-degree insertion angle. Needle retracts into the device after use to prevent sharps injury.

BATTERY: No battery; uses mechanical power source.

DETAILS: Designed for adults with type 1 diabetes and those with type 2 who require insulin. Unlike other devices, the V-Go delivers bolus insulin with button presses, not electronics. Each disposable device is used for 24 hours, after which time users attach a new V-Go. Device may be submerged to a depth of 3 feet, 3 inches, for 24 hours, so there's no need to remove it while swimming or bathing. Does not work with data-management software and doesn't connect with any meters or continuous glucose monitors (CGMs).