IV set

There are a wide variety of IV sets and uses for these IV sets. IV Administration sets are designed to optimize infusion delivery, reduce the risk of infection for the patient, and to keep access sites clean and protected.

Let's take a look at a few of the different kinds of IV sets and what they're used for.

Types of IV sets

While IV sets are all used for similar reasons, there are a variety of different types of IV sets available depending on the specific therapeutic need.

- **Filtered IV Sets**

Filtered IV sets have a small micron filter inside of them that is used to remove any potential contaminants from IV products. The filtration protects the patient that is receiving the infusion by filtering out any particulate matter, bacteria, or air emboli in the medication or solution.

It also protects the patient from phlebitis that can be caused by particulates or bacteria in the medication. Filtered IV sets are used with a wide variety of medications and the filters are available in a number of sizes. Filter sizes get as small as .22 micron for filtering out bacteria up to a 5-micron filter that filters larger particles.

- **Vented IV Sets**

Vented IV sets, also known as vented IV tubing, are ideal for hard plastic or glass containers. Vented IV sets have a small vent that can be opened and closed to allow for air to enter and displace the fluid as it leaves. The fluid will not flow from a rigid IV container unless it is vented.

- **Non-Vented IV Sets**

Non-vented IV sets are just the opposite of vented IV sets - they don’t have any vents in the tubing. Non-vented IV sets work great with flexible plastic containers like the Homepump Eclipse.

Non-vented tubing must also be primed to rid the tube of air. Non-vented tubing allows a vacuum to be created within the plastic IV bag so that it can collapse as it is emptied.

- **Gravity Tubing**

Gravity tubing, or gravity administration sets, rely on gravity and flow rate regulators to infuse medicine into patients. Gravity infusion rates can be set in drops per minute, which will equate to the milliliter per hour infusion rate.

One example of gravity tubing is our dial-a-flow tubing. With gravity infusion, the bag is hung on a pole above the patient, and gravity creates the pressure required to deliver the medication.

Common use of IV set

To start, let's define what IV stands for - **intravenous therapy**. IV sets are used for the controlled infusion of medications, typically over long periods of time. IV sets are used to connect the medication to the needle inserted into the patient. IV extension sets are also used to extend IV lines without risk of contamination.

- IV administration sets have a number of common uses in medical settings for the infusion of medication or fluids into a patient. IV sets can be used to infuse life-saving medications like antibiotics, infectious disease infusion or even for blood transfusions.

- IV Sets are also used in the administration of chemotherapy and other long-duration infusions. IV sets are also home infusion settings and for a variety of therapies like vitamin infusion therapy.