

NEOFLUSS™

Generic name: Intravenous Infusion set

Brand name: NEOFLUSS

Product code: SCMIVS

Product Mfg Ref code: SM-TW



Neofluss is a sterile, single-use medical device used to deliver fluids, medications, or nutrients directly into a patient's vein in a controlled manner.

To use Neofluss safely, follow standard clinical protocols to maintain sterility and ensure accurate delivery of fluids or medication. These guidelines apply to both gravity-fed systems and pump-driven sets.

Neofluss acts as the primary "conduit" or bridge between a fluid source (such as an IV bag or bottle) and the patient's vascular access point (a needle or cannula).

- Neofluss allows healthcare providers to regulate the flow rate, duration, and quantity of the substance being administered.
- Neofluss maintains a sterile pathway to prevent contamination and the risk of infection during therapy.
- Components like the drip chamber allow for visual monitoring of the infusion rate and help prevent air from entering the patient's bloodstream (air embolism).

Models

| | |
|---------------|--|
| Neofluss | Non-vented sharp spike, bulb latex with adaptor, 24 G needle |
| Neofluss Vent | Vented sharp spike, luer lock |
| Neofluss Plus | Vented sharp spike, Y injection port, luer lock |

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Core Guidelines for Neofluss

Pre-Use Safety Checks

- **Verification:** Always confirm the "Seven Rights": right patient, drug, dose, time, route, documentation, and the patient's right to refuse.
- **Inspection:** Check the IV bag for clarity (no cloudiness or sediment), leaks, and expiration. Ensure the infusion set package is sealed and sterile.
- Perform hand hygiene and wear non-sterile gloves before handling any equipment.

Setup and Priming

- **Spiking the Bag:** Close the roller clamp of Neofluss first. Remove the protective cap from the spike and insert it fully into the bag's port without touching the sterile tip of Neofluss.
- **Drip Chamber:** Squeeze the chamber until it is half full.
- **Removing Air:** Slowly open the roller clamp to let fluid flow through the entire tube to expel all air bubbles.
- **Connection:** Disinfect the patient's IV cannula hub with an alcohol wipe for at least 30 seconds before connecting the luer lock.

Maintenance and Monitoring

- **Flow Rate Control:**
 - **Gravity:** Adjust the roller clamp and monitor the drip rate manually.
 - **Pump:** Program the rate and volume into the infusion pump as prescribed.
 - [Nursing Skills for Doctors: Setting up an IV Pump](#)

- Site Inspection: Check the insertion site every 2 hours for signs of phlebitis (redness), infiltration (swelling), or pain.
- Change Neofluss every 72 to 96 hours per institutional policy.

Critical Safety Precautions

- SingleUse: Neofluss is for one-time use only; do not resterilize or reuse.
- AvoidOvertightening: Do not overtighten luer connections, as this can cause leaksordamage to the valve.
- Disposal:Dispose of the Neofluss as biohazardous waste in accordance with localmedical waste protocols.

Troubleshooting Common Issues

- Alarms: On electronic pumps, common alarms are for "Occlusion" (a blockage) or "Air-in-Line." Check for kinks in the tubing or closed clamps.
- In gravity-fed sets, the flow may slow down if the patient's arm is bent or if the IV bag is not high enough above the heart.
- A small amount of blood backing up into the Neofluss is usually normal if the bag is low or the patient moves, but it should clear once the infusion resumes.

Summary Checklist for Users

| Action | Frequency |
|-------------------|---|
| Visual Check | Every 1–2 hours: Look for redness, swelling, or leaking. |
| Temperature Check | Every few hours: Feel the skin near the site for unusual coolness or heat. |
| Tubing Check | Ongoing: Ensure there are no kinks and the patient isn't lying on the tube. |
| Hand Hygiene | Before touching any part of the IV set or insertion site. |