



410 Medical Digital & Print



LifeFlow
FLUID RESUSCITATION. WHEN MINUTES MATTER.

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Learn about fluid resuscitation in patients with hypotension or shock with our **FREE CE course** for nurses
CE & Education >

Adult Fluid Resuscitation
Quick! Get Some Fluid
CE MODULES

Pediatric Fluid Resuscitation
Quick! Get Some Fluid
CE MODULES

Pre-Hospital Fluid Resuscitation
Evidence & Controversies in Prehospital Resuscitation
JEMS WEBCAST

LifeFlow
shock
When shock requires immediate aggressive infusions, LifeFlow delivers.
How to Resuscitate Shock



Did You Know?

Each manual syringe stroke can introduce bacteria into the syringe barrel.^{1,2,3}



Did You Know?

When using push-pull, providers often violate aseptic technique – up to 23 times in one study.⁴

LifeFlow

LifeFlow Instructions for Use

Warning:

Failure to follow any instructions or failure to heed any warnings or precautions could result in serious patient injury. Do not use with blood or blood products.

Indications For Use:

The LifeFlow[®] Rapid Infusion Device is an intravenous administration set with Handle intended for rapid¹ delivery of fluids from a container into a patient's vascular system. The device is intended to deliver only crystalloid and colloid resuscitative fluids. These devices may be used for any adult or pediatric patient population with consideration given to adequacy of vascular anatomy, appropriateness for the solution being infused and duration of therapy.

*Capable of rates greater than 150mL/min through a 20G needle.

Precautions:

- Use aseptic technique.
- Monitor IV site for infiltration/extravasation during infusion.
- Ensure all air is purged from the IV line and syringe. Failure to do so may result in air embolism.
- The LifeFlow Device is intended for use with collapsible IV bags. Do not attempt to connect the LifeFlow Device to a rigid IV fluid container.
- The LifeFlow Handle is only designed for use with LifeFlow IV Tubing Set.
- As with any emergency medical device, the availability of a backup device is strongly advised.
- Rx Only: Federal Law (US) restricts this device to sale by or on the order of a physician.
- Compatible for use with vascular access that is rated for contrast infusion pressures (300psi).

Product Description:

The LifeFlow system contains:

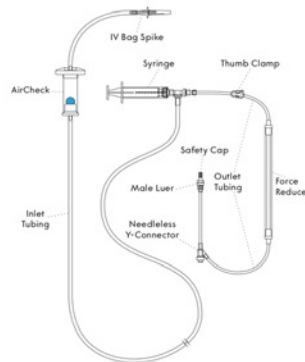
LIFEFLOW IV TUBING SET (1)

The LifeFlow IV Tubing Set with AirCheck[™] and Force Reducer[™] is packaged sterile, single use, non-pyrogenic in a pouch intended for use with the LifeFlow handle.

Total approximate priming volume: 50mL
Approximate outlet tubing priming volume: 5mL

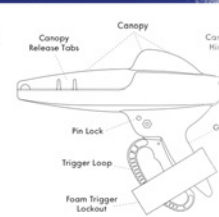
LifeFlow tubing may be used with catheters as small as 24G. Flow rates may decrease with smaller catheter sizes.

1 Important - LifeFlow tubing may be used with catheters as small as 24G. Flow rates may decrease with smaller catheter sizes.



LIFEFLOW HANDLE (1)

Intended for use with the LifeFlow IV Tubing Set. Non-sterile with removable foam trigger lockout.



INSTRUCTIONS FOR USE

1. Unpackage the LifeFlow IV Tubing Set

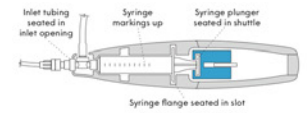
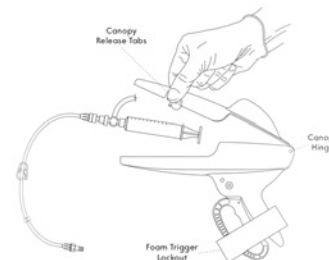
1 Important - Use aseptic technique when handling all IV set connections. Before connecting, disinfect needleless connectors per institutional protocol.

2. Spike IV fluid bag

- a. Remove safety cap from IV Bag Spike
- b. Insert into IV fluid bag

3. Insert the 10mL syringe from the LifeFlow IV Tubing Set into the LifeFlow Handle

- a. Open the transparent Canopy by squeezing tabs (see below) and pulling up.
- b. Place 10mL syringe from the LifeFlow IV Tubing Set into LifeFlow Handle with numbers facing up.
- c. Make sure the plunger is firmly seated in the blue shuttle and the flange is firmly seated in the Handle slot.

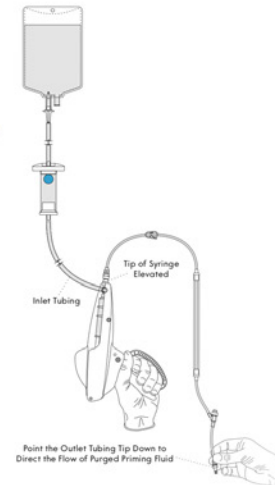


- d. If the plunger does not fit easily into the blue shuttle, it may be necessary to manually move the plunger in or out until it drops into place.
- e. Close the Canopy until it latches.
- f. Remove the foam trigger lockout.
- g. Grasp the Handle and squeeze the Trigger Loop until the pin lock disengages with an audible click.

4. Prime System

- a. Raise the IV bag above the AirCheck. Orient the AirCheck vertically and allow it to fill completely.
- b. Squeeze below ball, if necessary, to release.
- c. Point Handle (syringe tip) up during priming.
- 1 WARNING: Failure to elevate the syringe may allow air to remain in the syringe.**
- d. Priming can be completed while the vented sterile cap remains in place.
- e. Cycle the trigger until the entire LifeFlow IV Tubing Set is primed
- f. Fully evacuate all visible air bubbles.
- g. Tap and invert Y valve and Force Reducer as necessary to remove any air bubbles.

1 Important - Make sure all air is purged from the IV line and syringe before attaching to patient IV access, and ensure AirCheck remains vertical during infusion. Failure to do so may lead to air embolism.





Fast isn't fast enough.

Deliver 500ml of fluid in less than 2.5 minutes with the LifeFlow Rapid Infuser™



LifeFlow

FASTER. EASIER. FASTER.
Accelerate early resuscitation through rapid and efficient fluid delivery.

LifeFlow is designed to improve rapid fluid delivery in patients with:
SHOCK • SEPSIS • ANAPHYLAXIS • CARDIAC ARREST • HEMORRHAGIC SHOCK • RESPIRATORY FAILURE



LifeFlow

FLUID RESUSCITATION. WHEN MINUTES MATTER.

Improve resuscitation through earlier and controlled fluid delivery.
SHOCK • SEPSIS • ANAPHYLAXIS • CARDIAC ARREST • HEMORRHAGE • RESPIRATORY FAILURE



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LifeFlow

LifeFlow® is a hand-operated rapid infuser for critically ill patients who require urgent fluid delivery. Easy to use and intuitive, LifeFlow is intended to allow frontline providers to deliver fluid quickly and efficiently, improving patient care.

Earlier

Earlier fluid resuscitation improves outcome in patients with septic shock. LifeFlow delivers, on average, 500ml of fluid in less than 2.5 minutes through a 20G IV catheter. Average setup time is less than 2 minutes.

Faster

LifeFlow provides rapid, controlled fluid challenges, allowing clinicians to quickly assess volume responsiveness and provide effective treatment.

Controlled

LifeFlow delivers fluid in 10ml increments with each complete handle compression. The syringe then automatically refills with handle release. Fluid will not flow freely without handle compression, ensuring that only the desired amount is delivered.

TREATING SEPSIS

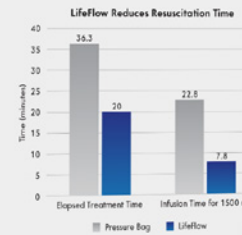
The CDC has declared sepsis a medical emergency and emphasizes that early recognition and aggressive treatment saves lives.^{1,2,3}

Evidence-based guidelines recommend early and aggressive fluid administration to reverse shock and restore tissue perfusion.^{1,4,5} Adherence to these guidelines improves outcomes and reduces mortality, yet fluid resuscitation is often delayed or inadequate.

LifeFlow Significantly Reduces Fluid Infusion Time and Scenario Completion Time

2017 Septic Shock Resuscitation Simulation Study⁶

- Single provider required to complete multiple resuscitation tasks, including three 500ml NS boluses
- Measured time to complete fluid resuscitation and time to complete scenario
- Two groups: LifeFlow vs. pressure bag
- RN's and paramedics randomly assigned to each group



Earlier. Faster. Controlled.

Deliver 500ml of fluid in less than 2.5 minutes with the LifeFlow Rapid Infuser™

Clear canopy
Syringe is protected from contact during use

Up to 4X faster
A typical trained user is able to infuse fluids with LifeFlow at almost four times the rate of infusion with a pressure bag

AirCheck
AirCheck™ priming is easier and the flow of fluid enters the



Resource optimization
LifeFlow's one-handed operation frees providers to address other patient care issues simultaneously

Adaptable
LifeFlow can be used with large-bore access and high resistance access including catheters as small as 24 gauge

Tactile feedback
LifeFlow's handle design allows users to readily detect changes in resistance to flow

• AVERAGE SPEED USING 20G CATHETER