

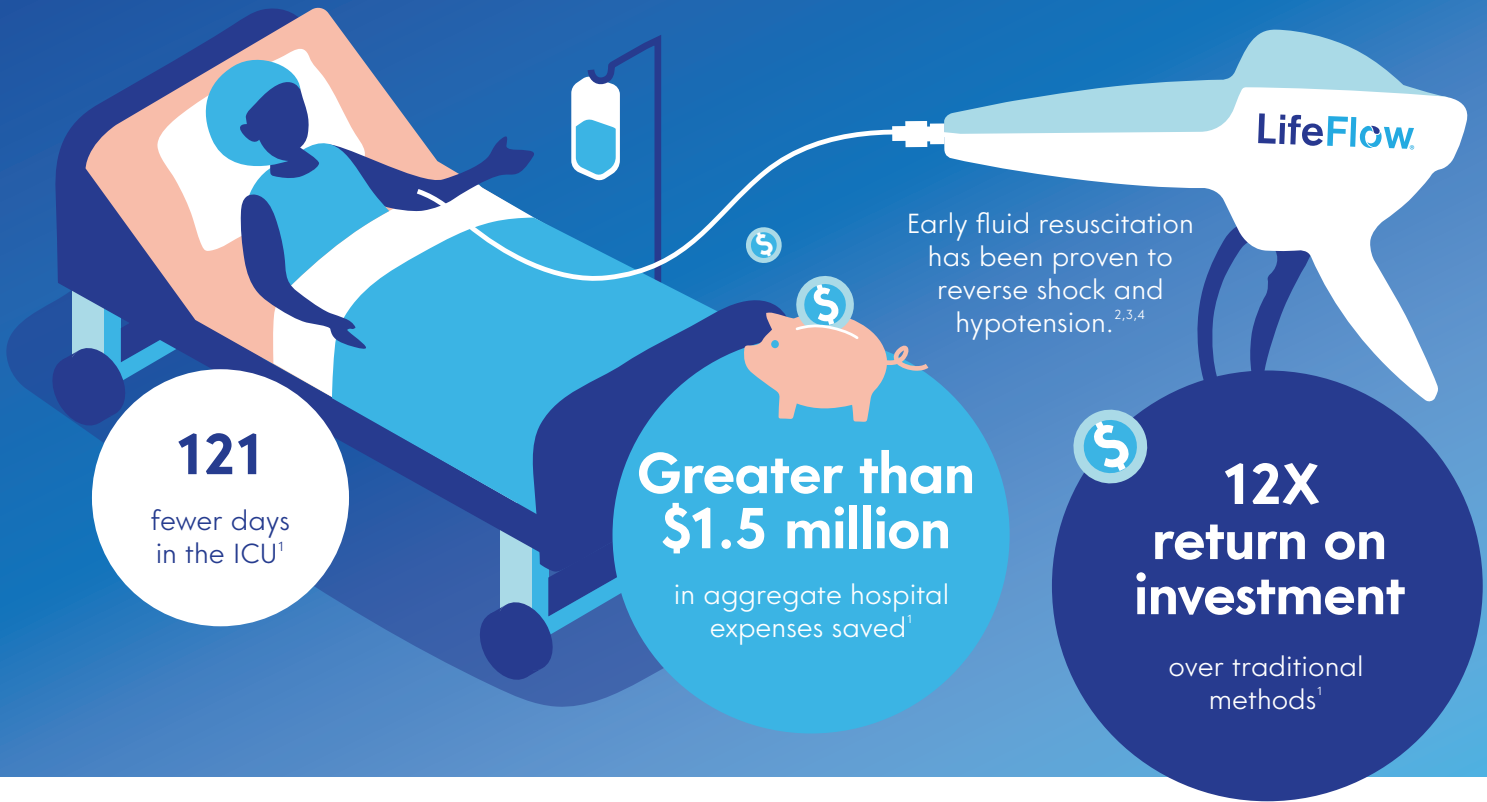


LifeFlow[®] **PLUS**
Blood & Fluid Infuser

WHEN MINUTES MATTER

Improve resuscitation through earlier and controlled blood and fluid delivery.

TRAUMA • SHOCK • SEPSIS • ANAPHYLAXIS • CARDIAC ARREST • HEMORRHAGE • RESPIRATORY FAILURE



RESUSCITATE

Quickly and easily infuse blood or fluid bolus

- Set up <2 minutes
- Deliver a unit of blood or 500ml fluid <2 minutes
- Stabilize the patient

REASSESS

Assess patient response to infusion

- Monitor perfusion
- Evaluate changes in vital signs and level of consciousness

REDUCE

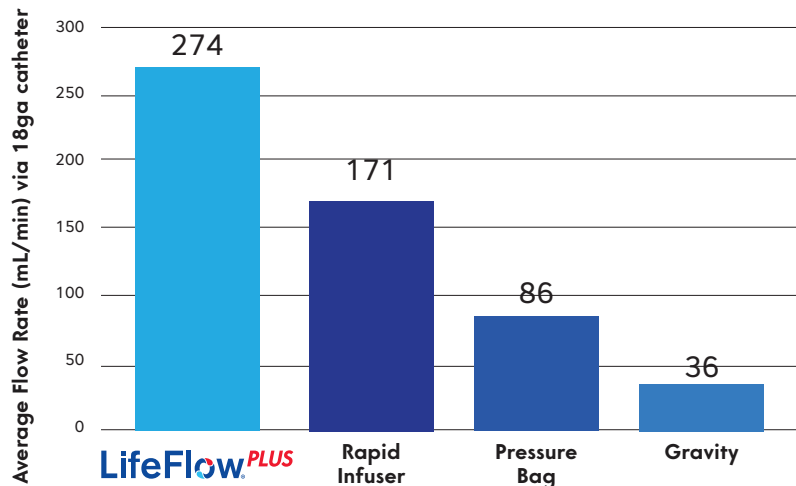
Reduce interventions & time to disposition

- Make diagnosis and treatment decisions faster
- Reduce mechanical ventilation⁵

1. Brooks EA, et al. (Aug 2018). Open Acc EMerg Med. - 10:165-170.
 2. Lee S, et al. (2014). Chest. 146(4): 908-915.
 3. Leisman D, et al. (2016). Ann Emerg Med. 68(3): 298-311.
 4. Williams JM, et al. (2018). Eur J Emerg Med. 25(2): 97-104.
 5. Leisman D, et al. (2017). Patterns and Outcomes Associated With Timeliness of Initial Crystalloid Resuscitation in a Prospective Sepsis and Septic Shock Cohort. Crit Care Med. Oct;45(10):1596-1606.

Minutes Matter in the Golden Hour

In patients with severe hemorrhage, every minute of delay in resuscitation increases mortality.^{1,2}



LifeFlow PLUS
delivers blood up
to 3x faster than a
pressure bag³

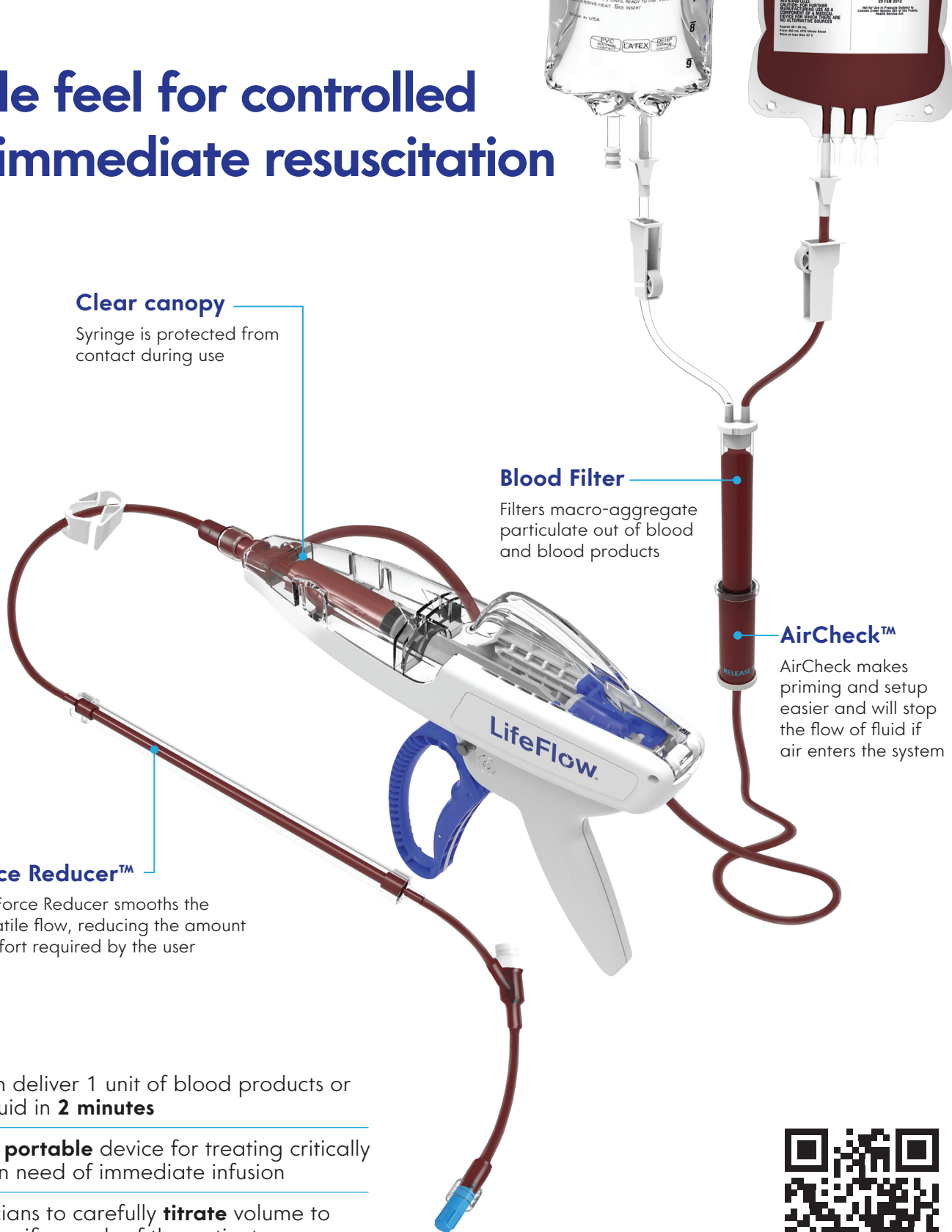
1. Kotwal RS, Howard JT, Orman JA, et al. The effect of a golden hour policy on the morbidity and mortality of combat casualties. *JAMA Surg.* 2016;151:15-24.

2. Meyer, D. E. et al. Every minute counts: Time to delivery of initial massive transfusion cooler and its impact on mortality. *J. Trauma Acute Care Surg.* (2017).

3. On average. Data on file, 410 Medical.



Tactile feel for controlled and immediate resuscitation



Clear canopy

Syringe is protected from contact during use

Blood Filter

Filters macro-aggregate particulate out of blood and blood products

AirCheck™

AirCheck makes priming and setup easier and will stop the flow of fluid if air enters the system

Force Reducer™

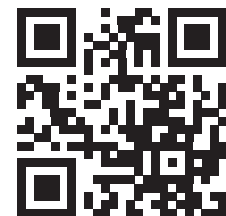
The Force Reducer smooths the pulsatile flow, reducing the amount of effort required by the user

LifeFlow can deliver 1 unit of blood products or 500mL of fluid in **2 minutes**

Easy-to-use **portable** device for treating critically ill patients in need of immediate infusion

Allows clinicians to carefully **titrates** volume to meet the specific needs of the patient

Enables **timely** reassessment and treatment decisions throughout the continuum of care



[Learn More](#)

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LifeFlow PLUS

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MK-0128 10/2022