

Ambu[®] ACTion[™] Pain Pumps



Ambu

NEW – Closed Pain Pump System

Ambu ACTION™ Pain Pumps

Ambu supports state-of-the-art regional anesthesia practices while enabling consistent pain management, elevated clinical care, and fast patient recovery. We are focused on improving clinical workflows and patient outcomes.

Superior Product Performance

Ambu offers a full portfolio of closed system elastomeric pain pumps, eliminating the risk of disconnections during the full patient journey.

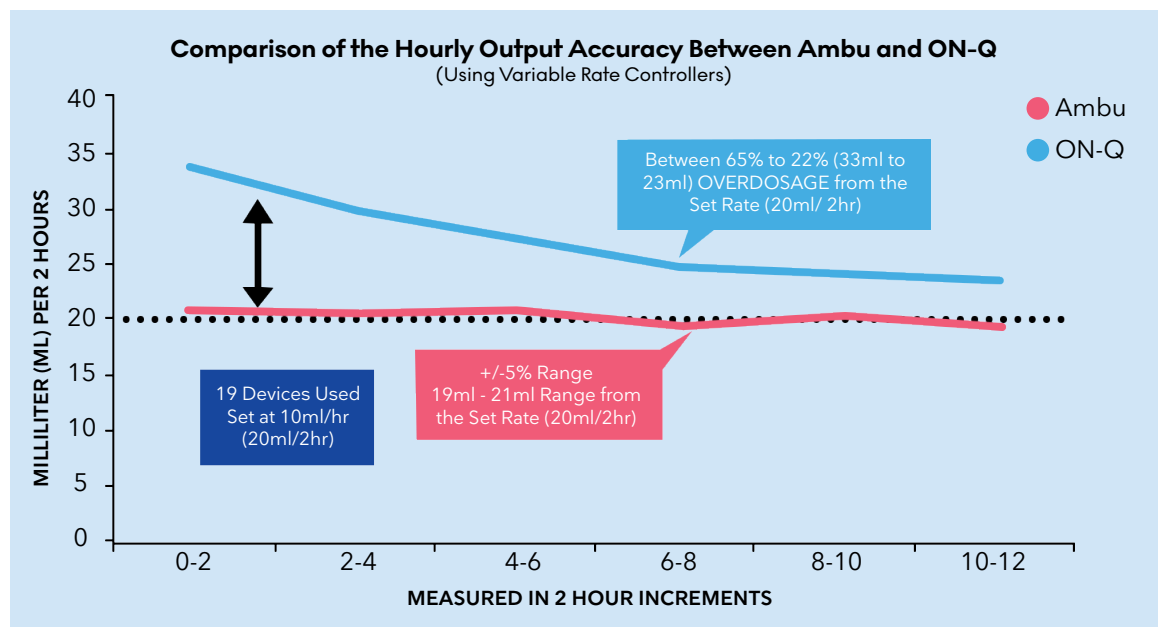
All Ambu ACTION Pain Pumps come with our unique regulator which provides multiple benefits for improved patient outcome:

- A consistent medication flow of +/- 5%
- A uniform infusion of medication throughout the entire infusion time
- Increased external pressure on the reservoir (e.g. leaning or squeezing) will not impact the flow rate of the Ambu ACTION Pain Pump
- Volume incremental**
 - 1-6 mL/hr Flow Regulator: About 0.05 mL
 - 5-15 mL/hr Flow Regulator: About 0.1 mL
- The Ambu ACTION Pain Pump can be over and underfilled with no impact to the flow rate
- The flow rate is not affected by changes in the relative height of the reservoir

**The exact flow rate setting (circular position of the adjusting ring) in between the printed digits is by tactile feel.



Delivers Consistent and Accurate Flow Rate

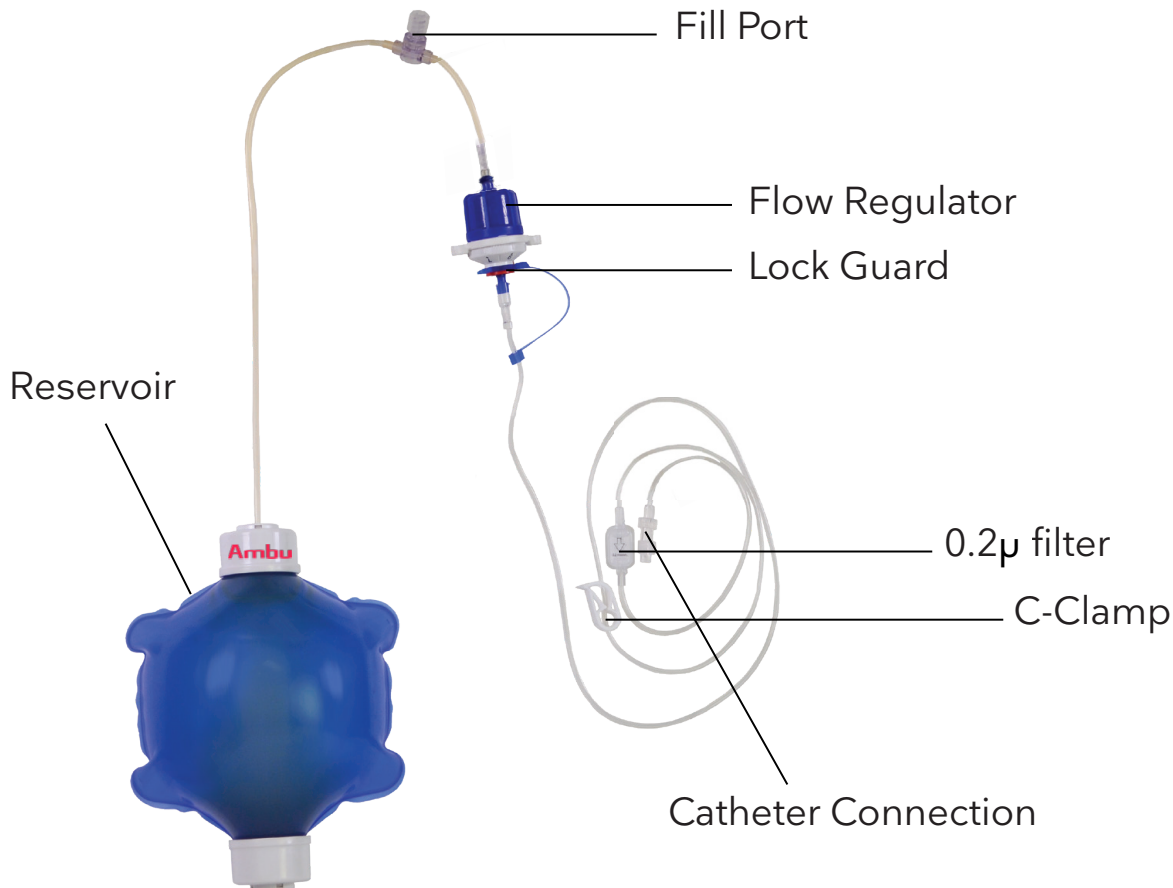


ACTION Pain Pump

"Patients prefer elastomeric pain pumps over electronically controlled pumps because of their:

- Portability
- Disposability
- Silent Operations
- Minimal Interference with Daily Activities
- Ease of Use
- Impact on Sleep" †

**Free of
Latex, DEHP,
Silicone*, &
Phthalates**



Training & In-Service

Ambu offers highly professional in-servicing for your day, night, and weekend staff and we make sure to always include our training materials supporting both patients and clinical staff.



SCAN CODE
FOR ALL
INSTRUCTIONAL
YOUTUBE VIDEOS

ACTION™ Block Pain Pump MultiBolus™ II

The MultiBolus™ II was specifically developed for regional anesthesia to manage break-through pain following surgical procedures.



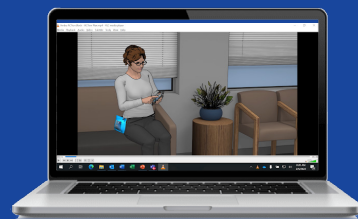
Key Features

- Delivers up to 6 mL of medication in under 1 minute
- Activation lever only requires 8.8 lb of pressure to squeeze
- Adjustable bolus volumes of 0, 3, 4, 5, 6 mL
- No priming necessary
- For added safety, the unique hydraulic valve prevents continuous parallel flow when the device is not activated

Services & Support

Implementing an effective Pain Pump program enables a quicker discharge of patients with a comfortable recovery at home. Ambu is with you all the way and our 24/7 nursing hotline will ensure there is always a friendly and educated voice to answer your patient's call.

24 Hour Clinical Hotline: 800-395-2890



SCAN TO WATCH PATIENT INSTRUCTIONS (5:30)

ACTion™ Pain Pump

The Ambu ACTion Pain Pump is a disposable pain pump designed to give consistent, customized, and non-narcotic pain therapy through a continuous peripheral nerve block catheter.



“Disposable Elastomeric Pumps with Peri-Neural Infusions are as Effective as Patient-Controlled Intravenous Pumps for Post-Operative Pain Relief.”[†]

Filter

Each tubing set of the ACTion Block Pain Pump is equipped with a 0.2 μ filter.

Regulator

Flow Rate

The ACTion Pain Pump can be set to any flow rate between 1-6 mL/hr or 5-15 mL/hr to obtain the best match for the individual patient’s post-operative pain needs. The flow rate can be permanently locked.

Flow Consistency

The advanced regulating technology of the ACTion Pain Pump produces flow consistencies common to electrical pumps. The ACTion Pain Pump is non-electric and user-friendly, while maintaining a flow consistency of +/- 5%.

Reservoir

Fill to Any Volume; Can be Overfilled and Underfilled

The ACTion Pain Pump can be filled to any volume between 50 mL and the nominal reservoir volume to achieve the desired post-operative pain therapy duration.

Ambu Pain Pump – Underfill and Overfill Limits

Ambu Pain Pump Reservoir Size	Overfill Limits for Ambu Pain Pump Closed System	Underfill Limits for Ambu Pain Pump Closed System*
200 mL	330 mL	50 mL
400 mL	550 mL	50 mL
650 mL	Fill to nominal value	50 mL
1000 mL (2 x 500 mL)	1100 mL	100 mL (2 x 50 mL)

* Reservoirs can be filled partially between 50 mL and its maximum value and still maintain +/- 5% consistent flow rate.

[†] Source: Michelle LeRiger, Tarun Bhalla, David Martin, Jacob Bettsworth, Joseph D Tobias; “Comparison of flow rate accuracy and consistency between the ON-Qm Baxter and Ambu Pain Infusion Device”; World Journal of Anesthesiology 3.1 (2014): 119-123. Print

Pain Pump Accessories

1. Catheter For Wound Infiltration - (Already Included in Ambu ACTION™ Fuser Pumps)

The catheter is designed to provide a continuous flow of anesthetic medication at a highly uniform level all along the surgical wound site. The catheter provides physicians with the ability to determine the actual length of the infusion segment.

Key Features

- Only cut-to-size catheter on the market
- Single-piece molded tubing
- Laser-cut fenestration for even distribution
- Introducer and T-Peel Needle standard on all ACTION Fuser Pain Pumps

NOTE: There are black marks every 10 mm along the catheter's infusing segment. When the infusion segment is cut, it is recommended to make the cut at the edge of the black mark and to record the remaining infusion segment length on the medication stickers. **WARNING:** Use aseptic technique.

2. Flow Splitter

Key Features

- Enables the Ambu ACTION Pain Pump to be converted to a dual flow catheter setup with an equal split of administration between two separate catheters

3. Y-Tubing

Key Features

- A simple "Y" connector and an extra regulator are utilized to convert any pump of modular configuration to a dual flow rate pump
- Applicable for modular configurations only

4. Procellera Antimicrobial Wound Dressing

Key Features

- The Procellera is an absorbent polyester containing silver and zinc that provides an effective microbial barrier
- The Procellera has been proven effective against various bacterial and microbial species at the catheter site including MRSA*

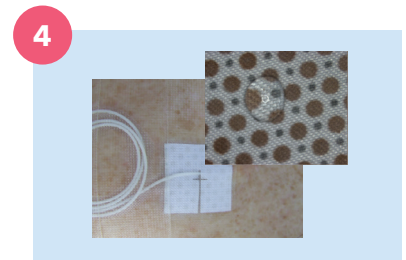
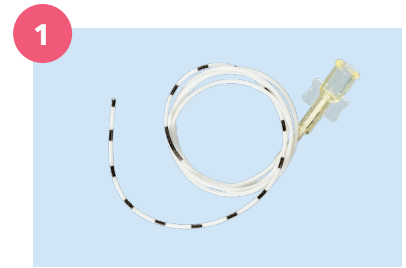
*Open Microbiol J. 2014 Feb 21;8:15-21. doi: 10.2174/1874285801408010015. eCollection 2014.

5. Regulator

The Regulator can be set to any flow rate between 1-6 mL/hr or 5-15 mL/hr to obtain the best match for the individual patient's post-operative pain needs

Key Features

- The flow rate can be permanently locked
- Maintains flow consistency of +/- 5%



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