

Ambu® ACTion™ Block Pain Pump

**DISPOSABLE
PAIN MANAGEMENT
SYSTEM FOR CONTINUOUS
PERIPHERAL NERVE
BLOCKS (cPNB)**

200 mL, 400 mL, 650 mL & 1000 mL

The Ambu® ACTion™ Block Pain Pump

is a disposable pain pump designed to give consistent, customized, and non-narcotic pain therapy through a continuous peripheral nerve block catheter (CPNB).

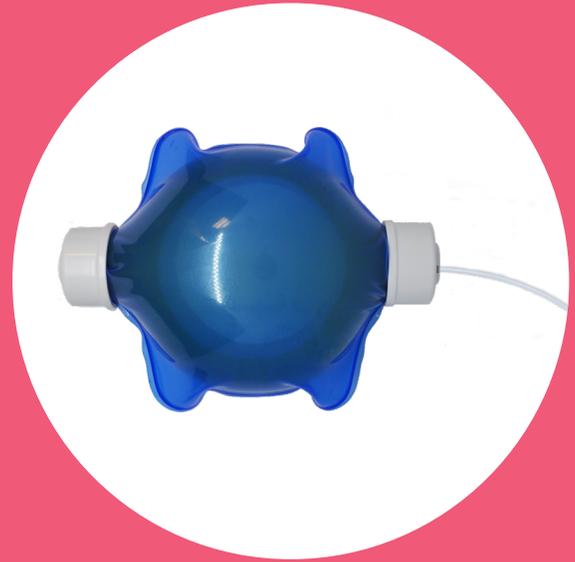
Ambu ACTion Block Pain Pump is intended to be used in hospitals, ambulatory surgical centers, and at home.

Regulator

An innovative regulator providing consistent flow rates allowing for precision treatment; regulator maintains uniform consistent flow rates regardless of changes to pressure made during use.

MultiBolus II

Designed for regional anesthesia, MultiBolus II delivers a high velocity, low pressure bolus to better distribute medication around the targeted nerve. Delivering up to 6 mL in just over 30 seconds provides a quick onset of action.



KEY BENEFITS

Disposable Pain Pump may reduce length of stay (LOS) by allowing patients recovering at home through a controlled medication delivery system.

Advanced technology of the flow regulator maintains flow consistency between +/- 5%

Multiple layers of safeguards against contamination, including a 0.2 micron filter and an antimicrobial fixation dressing

MultiBolus™ II, a high velocity, patient-controlled device for fast onset of action and management of breakthrough pain

NEW - Closed Pain Pump System

Ambu

Ambu ACTION Block Pump Package:

- Medication reservoir volumes: 200 mL, 400 mL, 650 mL & 1000 mL
- Regulating set options: 1-6 mL/hr and 5-15 mL/hr (with or without MultiBolus II)
- 50/60 mL luer lock disposable syringe
- Medication and pump labels
- Carrying pouch and combination lock
- Physician and patient instructions
- Flow splitter (optional)



5-15 mL/hr Pain Pump Regulator

1-6 mL/hr Pain Pump Regulator

SPECIFICATIONS

Reservoir

Minimum Fill Volume	Fill all reservoirs sizes to minimum 50 mL
Maximum Fill Volume	<ul style="list-style-type: none"> • 200 mL can overfill to 330 mL • 400 mL can overfill to 550 mL • 650 mL fill to nominal value • 1,000 mL (2 x 500 mL) can overfill to 1,100 mL
Refillable	The reservoir can be re-filled one time as needed during the duration of use.
Partial Filling	Reservoirs can be filled partially between 50 mL partially between 50 mL and its maximum value and still maintain +/- 5% consistent flow rate and +/- 15% accuracy.

Flow Regulator

Flow Rate Range	1-6 mL/hr or 5-15 mL/hr
Flow Consistency	+/- 5% of actual average delivered flow-rate at a stable surrounding temperature (saline, at 22°C ±2°C)
Flow Accuracy	+/- 15% of the nominal flow-rate (saline, at 22° C ±2° C)
Volume Incremental	The resolution of the secured/locked flow rate is in incremental of: <ul style="list-style-type: none"> • 1-6 mL/hr Flow Regulator: About 0.05 mL • 5-15 mL/hr Flow Regulator: About 0.1 mL

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

0.2µ Filter

Purpose of In-Line Filter	<ul style="list-style-type: none"> • The 0.2µ filter filtering particles in the medication line ensuring sterilization by filtration according to USP <1211> • Automatically drains any remaining air bubble in the infusing line
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Operation Environment and Storage

Recommended Usage Temperature	+20° C (68° F) to +24° C (75° F)
Transportation & Storage	<ul style="list-style-type: none"> • Transport: Shouldn't be exposed to temp. over 50° C (120° F). Shouldn't be exposed to direct sunlight. Boxes with products shouldn't be in direct contact with the vehicle floor • Storage: Temperature range -15° C to 40° C (5° F to 105° F). Avoid exposure to direct sunlight, pest control. Boxes with products shouldn't be in contact with the floor
Long Term Storage	-15° C (5° F) to +40° C (105° F), avoid exposure to direct sun light
Sterilization	EtO (Ethylene Oxide)
Shelf life	Unopened pouch; Up to 3 years from date of manufacture

Ambu ACTION Block Pain Pump by Materials (fluid path)

Reservoir	Synthetic Polyisoprene, Soft PVC (DEHP Free), Terlux, CYROLITE, ABS, PC, PE, Acrylic
Pain Pump Set (Regulating Set)	PC, ABS, Silicon, PE, Rigid PVC ,Soft PVC (DEHP Free), Terlux, Acrylic

Does Ambu ACTION Block Pain Pump Contain:

Silicone	No (only the flow regulator and MultiBolus II contains silicone)
Latex	No
DEHP	No
Phthalates	No

Is the Ambu ACTION Block Pain Pump MRI-compatible?

The Ambu ACTION Pain Pumps are MRI-compatible (the only non-MRI-compatible components are the carrying pouch, the combination lock and the MultiBolus II device).

Ambu recommends removing the carrying case, combination lock and the MBII device prior to MRI scanning.

Ambu ACTION Block Pain Pump Packaging Materials

Sterile Packaging	Flexible pouch, film: polyester, paper: tested and validated according to EN 868-5 and ISO 11607-1
Air Bubble Sheet	Low Density polyethylene
Internal Box	Laminated Cardboard (Internal Box only applicable for Ambu ACTION Reservoir Sets (separate accessory) and Ambu MBII Pain Pumps).
Shipping Box	Reinforced Carton
Single Use	Yes

ORDERING SPECIFICATIONS – Ambu ACTION™ Pain Pump (Closed System)

Item No.	Description	Case QTY by PCS
418 201 200C	ACTION™ Block, 200 mL, 1-6 mL/hr Regulator	5
418 202 200C	ACTION™ Block, 200 mL, 5-15 mL/hr Regulator	5
418 201 400C	ACTION™ Block, 400 mL, 1-6 mL/hr Regulator	5
418 202 400C	ACTION™ Block, 400 mL, 5-15 mL/hr Regulator	5
418 203 400C	ACTION™ Block, 400 mL, 5-15 mL/hr Regulator, Splitter	5
419 105 650C	ACTION™ Block, 650 mL, 1-6 mL/hr Regulator	5
419 102 650C	ACTION™ Block, 650 mL, 5-15 mL/hr Regulator	5
419 110 650C	ACTION™ Block, 650 mL, Dual Regulator (1-6 mL/hr), Y-Tubing	5
419 109 650C	ACTION™ Block, 650 mL, Dual Regulator (5-15 mL/hr), Y-Tubing	5
419 11 1000C	ACTION™ Block, 1000 mL (2 x 500 mL), 5-15 mL/hr	5

ORDERING SPECIFICATIONS - Ambu ACTION™ Pain Pump (Modular System*)

Item No.	Description	Case QTY by PCS
419 102 650M	ACTION™ Block, 650 mL, 5-15 mL/hr Regulator (Modular System)	5

ORDERING SPECIFICATIONS - Ambu ACTION™ Block Pain Pump with MultiBolus II (Closed System)

Item No.	Description	Case QTY by PCS
419 150 400C	ACTION™ Block, MBII, 400 mL, 1-6 mL/hr Regulator	4
419 151 400C	ACTION™ Block, MBII, 400 mL, 5-15 mL/hr Regulator	4
419 150 650C	ACTION™ Block, MBII, 650 mL, 1-6 mL/hr Regulator	4
419 151 650C	ACTION™ Block, MBII, 650 mL, 5-15 mL/hr Regulator	4
419 151 1000C	ACTION™ Block, MBII, 1000 mL (2 x 500 mL), 5-15 mL/hr Regulator	4

ORDERING SPECIFICATIONS - Ambu ACTION™ Block Pain Pump Reservoirs

Item No.	Description	Case QTY by PCS
418 000 200	Reservoir Set - 200 mL reservoir and syringe	8
418 000 400	Reservoir Set - 400 mL reservoir and syringe	8
418 000 650	Reservoir Set - 650 mL reservoir and syringe	8
418 000 515	Reservoir Set - 1000 mL reservoir (2 x 500 mL) and syringe	8

* Make to Order: 6-8 weeks of delivery time



Ambu, Inc.
6230 Old Dobbin Lane
Columbia, MD 21045
Tel. 800 262 8462
Fax 800 262 8673
ambuUSA.com

Questions? Contact Your Ambu Representative at
800-262-8462 or visit www.ambuUSA.com

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