

## DISPOSABLE PAIN MANAGEMENT SYSTEM

### Ambu® ACTion™ Pain Pump Accessories

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

Ambu offers a long range of pain pumps for both continuous peripheral nerve blocks (CPNB) and continuous wound infiltration (CWI) for both hospitals, ambulatory surgical centers and home use.

Part of Ambu's offering is a comprehensive portfolio of accessories that allow for a consistent and customized pain therapy, including:

- **Cut-To-Size Infiltration Catheter** can be customized to fit the actual length of the incision while maintaining a high uniform level of medication delivery

All cut-to-size catheters have a full tubing length of 920 mm (~36") available in 2 different infusing lengths:

- 140 mm (~5")
- 190 mm (~7.5")

- **Flow Splitter** 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

- **Y-Tubing** enables the Ambu ACTion Pain Pump of the modular configuration to convert to a dual flow rate setup. A simple "Y" connector with the option of an extra regulator to independently control flow rates to multiple catheters

- **Procellera™ Antimicrobial Wound Dressing** an active dressing proven to be effective against various bacterial and microbial species at the catheter site including MRSA\*

- **Regulating Set** to obtain the best match for the individual patient's post-operative pain needs

Each accessory is available in single sterile units and can be combined in multiple ways to ensure an optimal and customized post-operative pain management.

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

# Ambu® ACTion™ Pain Pump Accessories



## ACCESSORIES

Catheter

Flow Splitter

Y-Tubing

Antimicrobial Barrier

Regulator

Introducer Needles

Reservoir

**NEW - Closed Pain Pump System**

# Ambu

## SPECIFICATIONS

	Materials (Fluid Path)	Packaging	Does it contain Latex, Silicone and/or DEHP	MRI compatible	How to discard	Single Use
Catheter	TPU	Each catheter set in a sterile pouch, 4/5 sets in internal box, 32/40 in a shipping box	No	Yes	Regular Disposal	Yes
Flow Splitter	ABS, PC	Each a sterile pouch, 5 sets in internal box, 40 in a shipping box	No	Yes	Regular Disposal	Yes
Y-Tubing	Soft PVC (DEHP Free), Terlux, CYROLITE, Rigid PVC	Each a sterile pouch, 5 sets in internal box, 40 in a shipping box	No	Yes	Regular Disposal	Yes
Antimicrobial Barrier	Please contact your local Ambu representative for more information				Regular Disposal	Yes
Regulating Set	PC, ABS, Silicon, PE, Rigid PVC, Soft PVC (DEHP Free), Terlux, Acrylic	Each set in a sterile pouch, 5 sets in internal box, 40 in a shipping box	<ul style="list-style-type: none"> <li>• All contain silicon (flow regulator)</li> <li>• Latex: No</li> <li>• DEHP: No</li> </ul>	Yes	Regular Disposal	Yes
Introducer Needles	Stainless steel, PEHD	4": Each in a sterile pouch, 5 sets in internal box, 40 in a shipping box 6": Each in a sterile pouch, 5 sets in internal box, 40 in a shipping box 9": Each in a sterile pouch, 10 sets in internal box, 40 in a shipping box	No	Yes	Regular Disposal	Yes
Reservoir	ABS, TPE, Soft PVC (DEHP Free), CYROLITE, Terlux, PC, Acrylic	Each in a sterile pouch, 1 sets in internal box, 8 in a shipping box	No	Yes	Regular Disposal	Yes

### Reservoir

Minimum Fill Volume	Fill all reservoirs sizes to minimum 50 mL
Maximum Fill Volume	<ul style="list-style-type: none"> <li>• 200 mL can overflow to 330 mL</li> <li>• 400 mL can overflow to 550 mL</li> <li>• 650 mL fill to nominal value</li> <li>• 1,000 mL (2 x 500 mL) can overflow to 1,100 mL</li> </ul>
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	Consistency of $\pm 5\%$ of actual average delivered flow-rate at a stable surrounding temperature (saline, at $22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ )
Flow accuracy	+/- 15% of the nominal flow-rate (saline, at $22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ )
Volume Incremental	The resolution of the secured/locked flow rate is in incremental of: <ul style="list-style-type: none"> <li>• 1-6 mL/hr Flow Regulator: About 0.05 mL</li> <li>• 5-15 mL/hr Flow Regulator: About 0.1 mL</li> </ul>

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

## OPERATIONAL ENVIRONMENT & STORAGE

Pain Pump Accessory	Recommended Usage Temperature	Transportation	Storage	Sterilization	Shelf Life
Catheter	$22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (functioning not affected by the temperature)	<ul style="list-style-type: none"> <li>• Shouldn't be exposed to temp. over <math>50^{\circ}\text{C}</math> (<math>120^{\circ}\text{F}</math>)</li> <li>• Shouldn't be exposed to direct sunlight</li> <li>• Boxes with products shouldn't be in direct contact with the vehicle floor</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature range <math>-15^{\circ}\text{C}</math> to <math>40^{\circ}\text{C}</math> (<math>5^{\circ}\text{F}</math> to <math>105^{\circ}\text{F}</math>)</li> <li>• Avoid exposure to direct sunlight</li> <li>• Pest control</li> <li>• Boxes with products shouldn't be in contact with the floor</li> </ul>	ETO	3 Years
Flow Splitter	$22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (functioning not affected by the temperature)	As detailed above	As detailed above	ETO	3 Years
Y-Tubing	$22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (functioning not affected by the temperature)	As detailed above	As detailed above	ETO	3 Years
Antimicrobial Barrier	Please contact your local Ambu representative for more information			ETO	3 Years
Regulator	$22^{\circ}\text{C} \pm 2^{\circ}\text{C}$	As detailed above	As detailed above	ETO	3 Years
Introducer Needles	$22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (functioning not affected by the temperature)	As detailed above	As detailed above	ETO	3 Years
Reservoir	$22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (functioning not affected by the temperature)	As detailed above	As detailed above	ETO	3 Years

## ORDERING SPECIFICATIONS – AMBU ACTION REGULATOR

Item No.	Description	Case QTY By PCS
418 000 506	Regulating Set 5-15 mL/hr	8
418 000 531	Regulating Set 1-6 mL/hr	8
418 000 540	Regulating 5-15 mL/hr with MultiBolus II	8

## ORDERING SPECIFICATIONS – AMBU ACTION Y-TUBING, FLOW SPLITTER & ANTI-MICROBIAL BARRIER

Item No.	Description	Case QTY By PCS
418 000 505	Flow Splitter	40
418 000 507	Y-Tubing Connector	40
418 000 501	Y-Tubing Connector with 5-15 mL/hr Regulator	8
418 100 501	Procultura™ Antimicrobial Wound Dressing	80

## ORDERING SPECIFICATIONS – AMBU ACTION RESERVOIR SETS

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

## ORDERING SPECIFICATIONS – AMBU ACTION CATHETER SETS

Item No.	Description	Units per Box
418 000 534	Catheter Set: 140mm Cut-to-Size + 4" Introducer	40
418 000 502	Catheter Set: 140mm Cut-to-Size Catheter + 6" Introducer	40
418 000 503	Catheter Set: 190mm Cut-to-Size Catheter	40
418 000 530	Catheter Set: 190mm, Cut-to-Size + 9" Introducer	40
418 000 504	Catheter Set: 140mm Cut-to-Size Catheter + 6" Introducer + Antimicrobial Dressing + Fixation Dressing + Flow Splitter	32

## ORDERING SPECIFICATIONS – AMBU ACTION INTRODUCER NEEDLES

Item No.	Description	Units per Box
418 000 536	4" Peel-A-way introducer	40
418 000 537	6" Peel-A-way introducer	40
418 000 542	9" Peel-A-way introducer	40



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