COOPDECH Balloonjector 200/300

COOPDECH Balloonjector 200 ●Specifications

Product Number	Flow-selector Flow Rate(mL/h)			Color	Quantity(set)
	A	B	A＋B		
CIA20-2030-EU	2.0	3.0	5.0	Blue	10
CIA20-2040-EU	2.0	4.0	6.0	Light blue	10
Contents: Balloonjector 200(Capacity 200mL)/Flow-selector/Measurement strap/Name label/Carrying bag					

COOPDECH Balloonjector 300 ●Specifications

Product Number	Flow-selector Flow Rate(mL/h)			Color	Quantity(set)
	A	B	A＋B		
CIA30-2040-EU	2.0	4.0	6.0	Light blue	10
CIA30-3050-EU	3.0	5.0	8.0	Pink	10
Contents: Balloonjector 300(Capacity 300mL)/Flow-selector/Measurement strap/Name label/Carrying bag					

COOPDECH Balloonjector 200 PCA Set ●Specifications

Set Product Number	Product Number		Basal (mL/h)	PCA Bolus Volume(mL)	PCA Filling Time(min)	Color		Quantity (set)
	Balloonjector	PCA				Basal	PCA	
CIB20-1010IP3B-EU	CIB20-1010-EU	IP3-B-EU	1.0	3.0	180	Orange	Orange	10
CIB20-2030IP3B-EU	CIB20-2030-EU	IP3-B-EU	2.0	3.0	60	Blue	Pink	10
CIB20-2060IP3B-EU	CIB20-2060-EU	IP3-B-EU	2.0	3.0	30	Blue	Purple	10
CIB20-3030IP3B-EU	CIB20-3030-EU	IP3-B-EU	3.0	3.0	60	Pink	Pink	10
CIB20-3060IP3B-EU	CIB20-3060-EU	IP3-B-EU	3.0	3.0	30	Pink	Purple	10
CIB20-4030IP3B-EU	CIB20-4030-EU	IP3-B-EU	4.0	3.0	60	Yellow green	Pink	10
CIB20-4060IP3B-EU	CIB20-4060-EU	IP3-B-EU	4.0	3.0	30	Yellow green	Purple	10
CIB20-5030IP3B-EU	CIB20-5030-EU	IP3-B-EU	5.0	3.0	60	Ivory	Pink	10
CIB20-5060IP3B-EU	CIB20-5060-EU	IP3-B-EU	5.0	3.0	30	Ivory	Purple	10
CIB20-6030IP3B-EU	CIB20-6030-EU	IP3-B-EU	6.0	3.0	60	Purple	Pink	10
Contents: Balloonjector 200 (Capacity 200mL)/Mono-flow (for Basal/PCA each)/PCA/Measurement Strap/Name Lavel/Carring Bag								

COOPDECH Balloonjector 300 PCA Set ●Specifications

Set Product Number	Product Number		Basal (mL/h)	PCA Bolus Volume(mL)	PCA Filling Time(min)	Color		Quantity (set)
	Balloonjector	PCA				Basal	PCA	
CIB30-3060IP3B-EU	CIB30-3060-EU	IP3-B-EU	3.0	3.0	30	Pink	Purple	10
CIB30-4030IP3B-EU	CIB30-4030-EU	IP3-B-EU	4.0	3.0	60	Yellow green	Pink	10
CIB30-4060IP3B-EU	CIB30-4060-EU	IP3-B-EU	4.0	3.0	30	Yellow green	Purple	10
CIB30-5030IP3B-EU	CIB30-5030-EU	IP3-B-EU	5.0	3.0	60	Ivory	Pink	10
CIB30-5060IP3B-EU	CIB30-5060-EU	IP3-B-EU	5.0	3.0	30	Ivory	Purple	10
CIB30-6030IP3B-EU	CIB30-6030-EU	IP3-B-EU	6.0	3.0	60	Purple	Pink	10
CIB30-6060IP3B-EU	CIB30-6060-EU	IP3-B-EU	6.0	3.0	30	Purple	Purple	10
Contents: Balloonjector 300 (Capacity 300mL)/Mono-flow (for Basal/PCA each)/PCA/Measurement Strap/Name Lavel/Carring Bag								

10sets/case Sterilized

- This is a serilized single-use disposable product. It cannot be reused.
- Please note that specifications and outward appearance may change without notice for enhancement purposes.
- Naropin is a registered trademark of AstraZeneca Limited.
- Use the Measurement Strap as an approximate reference.
- Read instruction manual carefully before use.
- Pay attention to the height differences between the main body of the product and the end port of infusion line, which may affect the flow rate of the product.
- Fill the drug solution to the prescribed capacity (200mL or 300mL).

Daiken Medical Co., Ltd. has obtained ISO 13485 certification, an international standard on quality management systems related to medical devices.

Pioneering the future of medical society
DAIKEN MEDICAL CO., LTD.
International Department: 1-6-6, Funakoshi-cho,Chuo-ku, Osaka-city,540-0036,Japan

COOPDECH's product information is available at the corporate website.
http://www.daiken-iki.co.jp/

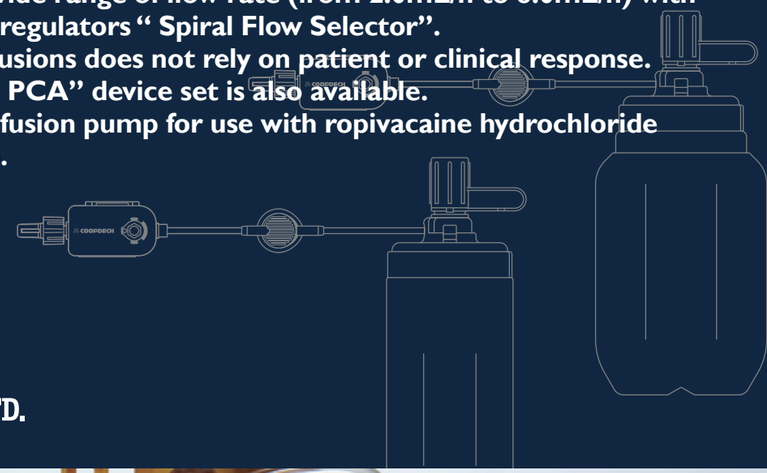
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Contents of this catalog are as of October 2016.

COOPDECH Balloonjector 200/300 Latex-Free

(Disposable Infusion Pump)

- **Balloonjector is a safe elastomeric infusion pump having continuous, accurate and stable flow rate.**
- **Patented Measurement Strap is aveilable. The volume of drug solution is visible.**
- **Our Balloonjector offers wide range of flow rate (from 2.0mL/h to 8.0mL/h) with our patented precise flow regulators " Spiral Flow Selector".**
- **Self-reliant, continuous infusions does not rely on patient or clinical response.**
- **Parallel "Sub Balloon Type PCA" device set is also available.**
- **An ideal large –capacity infusion pump for use with ropivacaine hydrochloride injection agents (Naropin).**



DAIKEN MEDICAL CO., LTD.



All products are designed and manufactured by DAIKEN MEDICAL CO., LTD.

Made in Japan

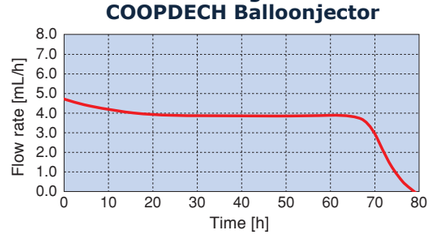
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COOPDECH Balloonjector 200/300



200mL and 300mL capacities are available. With the Flow Selector feature, wide range of flow rates from 2.0mL/h to 8.0mL/h is available. Stable flow rate is ensured even though elastomeric system is applied.

Flow rate diagram of COOPDECH Balloonjector



[Test condition] Saline solution is infused to CIA30-2040(4mL/h) at room temperature of 23℃



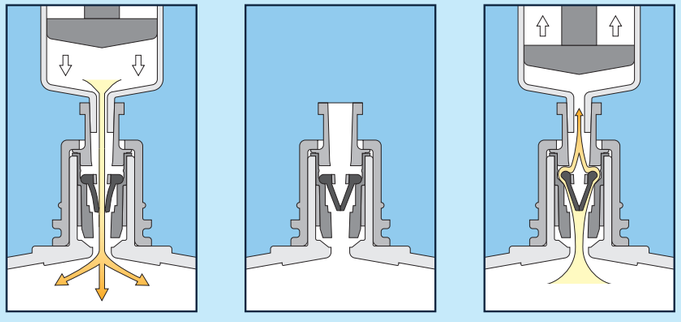
Measurement Strap

With elastomeric system the volume of residual drug solutions is not visible. COOPDECH's unique Measurement Strap(Patented) has solved this problem. The volume of residual drug solutions can be measured by simply hooking Balloonjector main body onto the measuring strap.

IQ VALVE

The IQ Valve facilitates the filling and removal of drug solutions.

The use of our uniquely developed two-way check valve facilitates the addition and removal of drug solutions.

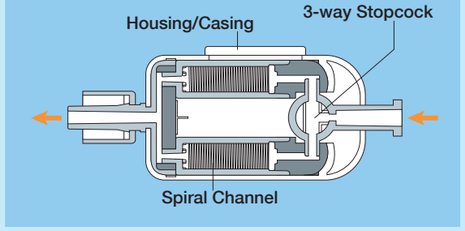


1. Infuse the drug solution:
The tip of the valve opens in response to the infusion pressure.

2. When stationary:
The tip of the valve that had opened up is pushed by the pressure inside the pump, and closes.

3. When removing the drug solution and the air:
A gap is created in the seal portion due to the pressure inside the pump and the negative pressure that is created at the upper part of the valve.

[Flow Selector's structure]



FLOW SELECTOR

Flow Selector with dramatically improved flow rate precision.

The flow rate control part uses COOPDECH's specially developed spiral tubules, so flow rate precision has been dramatically enhanced. It comes with a flow rate switchover function.

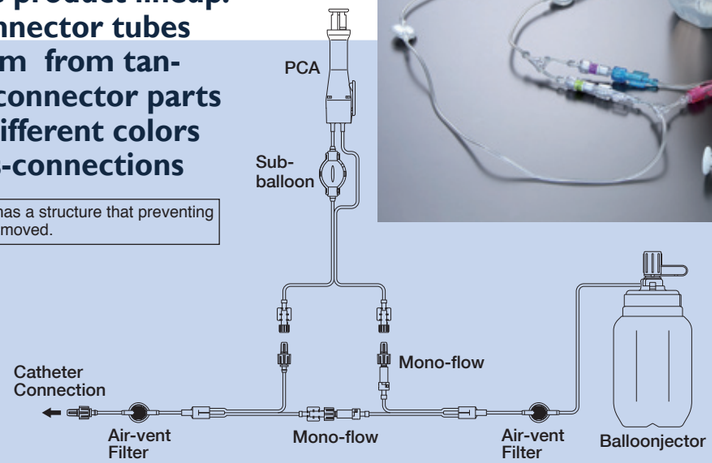
COOPDECH Balloonjector 200/300 PCA Set

Simple-to-use PCA devices that feature an easy-to-hold design and COOPDECH's original sub-balloons are now included in the product lineup. It uses two connector tubes to prevent them from tangling, and the connector parts are shown in different colors to prevent mis-connections



The product's infusion port has a structure that preventing drug solutions from being removed.

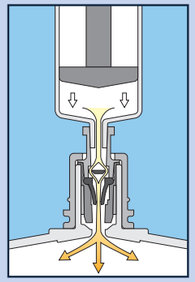




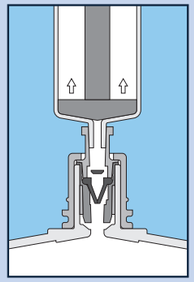
ANTI-NEEDLE VALVE

The design of the infusion port has been upgraded to prevent drug solutions from being removed.

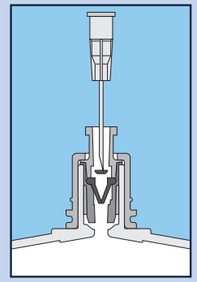
The newly-designed infusion port comes equipped with a "Defense wall" that prevents drug solutions from being removed, even if thin rods such as injection needles are inserted. This is also suitable for use with narcotic drugs. This design is used for the COOPDECH Balloonjector PCA Set.



1. Infuse the drug solution:
The tip of the valve opens due to the infusion pressure.



2. During suctioning:
The pressure inside the pump presses the tip of the open valve and closes it to prevent reflux.

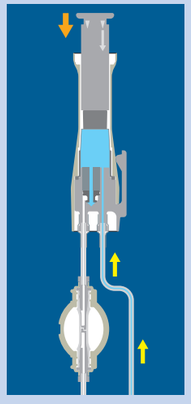


3. A structure that prevents the drug solution from being removed:
The "Defence wall" prevents the removal of any drug solution, even if thin rods such as injection needles are inserted.

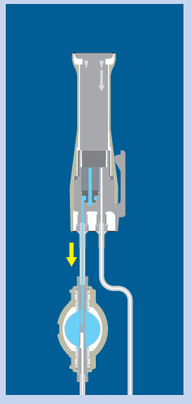
HOW PCA EQUIPMENT WORKS

The sub-balloon feature realizes an easy-to-press injection button.

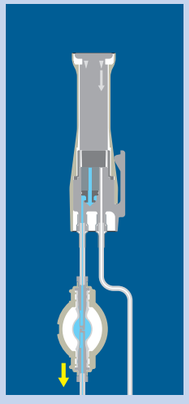
With the use of COOPDECH's originally developed sub-balloon, the force needed to press the infusion button has been dramatically reduced. When the infusion button is pressed, the drug solution inside the reservoir flows in the direction of the sub-balloon and expands it. The drug solution inside the sub-balloon is administered automatically due to the sub-balloon's contraction force.



1. Press the infusion button:
Press the infusion button when the reservoir is completely filled with the drug solution.



2. The sub-balloon expands:
The check valve inside the PCA device's main body opens up, and the drug solution flows in the direction of the sub-balloon and expands it.



3. The drug solution is administered:
Due to the sub-balloon's contraction force, the drug solution is administered automatically.