

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 label/Carrying bag

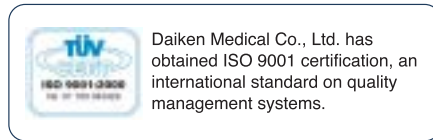
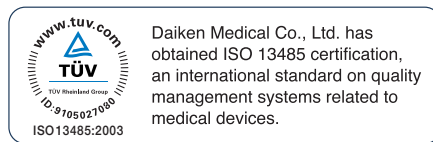
coopdech® Balloonjector® 300 PCA Set ● Specifications

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 label/Carrying bag

10sets/case Sterilized

- This is a sterilized 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, an accessory item, as an approximate reference.
- Read instruction manual carefully before use.



coopdech® Balloonjector® 200/300
(Disposable Infusion Pump)

Latex-Free

- Balloonjector is a safe elastomeric infusion pump having continuous, accurate and stable flow rate.
- Patented Measurement Strap is available. 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" (Japanese Patent No. 3398058, US Patent No. 6270483, Taiwanese Patent No. 106278)
- Self-reliant. Continuous infusions does not rely on patient or clinician response.
- Parallel "Sub Balloon Type PCA" device set is also available. (Japanese Patent No.3566053)
- An ideal large-capacity infusion pump for use with ropivacaine hydrochloride injection agents(Naropin®)



COOPDECH





Measurement Strap

With balloon-style portable disposable infusion pumps, the volume of drug solutions remaining is not readily visible. Coopdech's unique Measurement Strap (patent pending) has solved that problem. The volume of solution remaining can be measured by simply hooking the strap onto the Balloonjector.

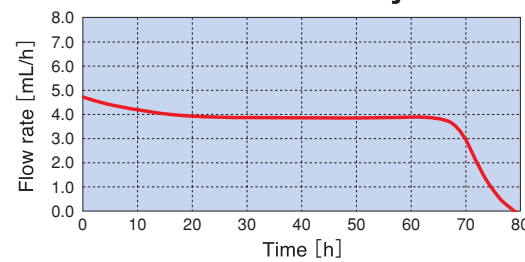
Patent Pending



COOPDECH Balloonjector 200/300

This is a large-capacity infusion pump (200mL to 300mL). With the Flow Selector feature, it offers a wide range of flow rates, from 2.0mL/h to 8.0mL/h. Although it is a balloon, it ensures stable flow rate characteristics.

Flow rate diagrams of COOPDECH Balloonjector



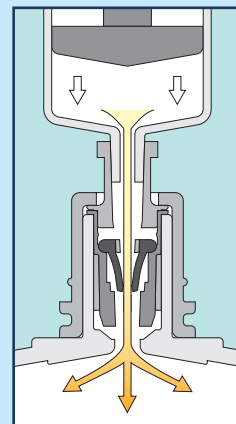
[Test condition] Saline solution is injected to CIA30-2040 (4mL/h) at room temperature of 25°C

IQ VALVE

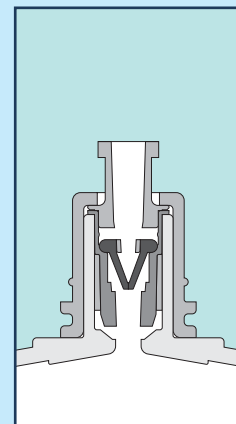
The IQ Valve facilitates the filling and removal of drug solutions.

The use of our uniquely developed two-way check valve facilitates the addition and removal of drug solutions. A series of operations, from <Filling> → <Stationary> → <Removal> can be carried out smoothly. Drug solutions never reflux during filling; similarly, no liquid leaks out during syringe removal. The filling efforts and force has been reduced dramatically.

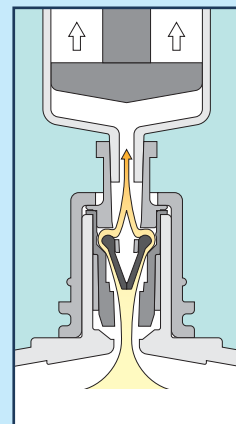
Patented



1. Inject the drug solution:
The tip 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.

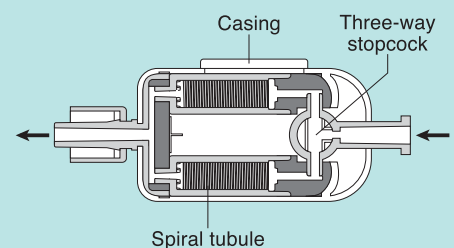
FLOW SELECTOR

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.

Patented

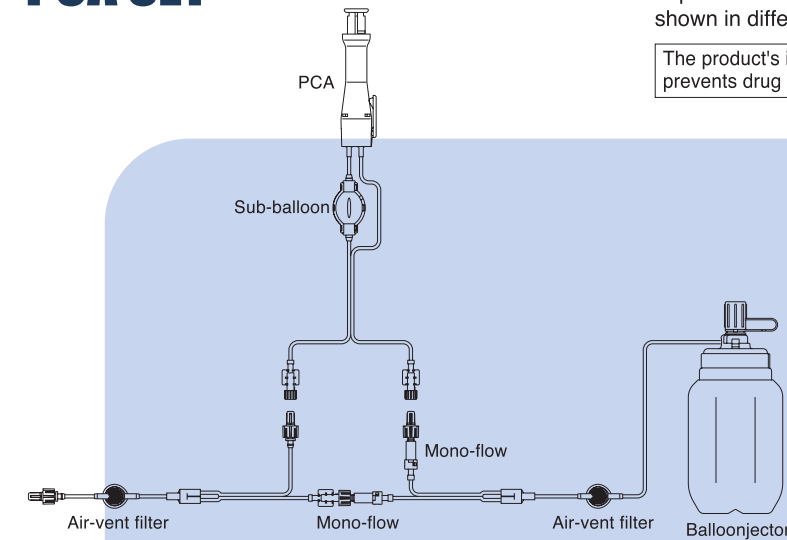
Mechanism by which the Flow Selector works



COOPDECH Balloonjector 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 erroneous connections.

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

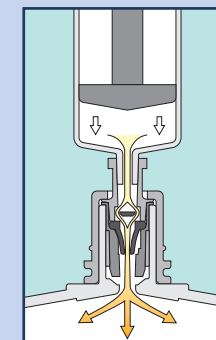


ANTI-NEEDLE VALVE

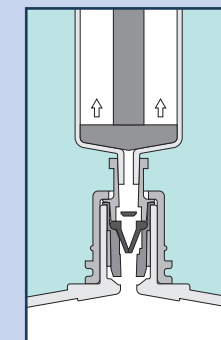
The design of the infusion port has been upgraded to prevent drug solutions from being removed.

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 narcotics drugs. This design is used for the Coopdech Balloonjector PCA Set.

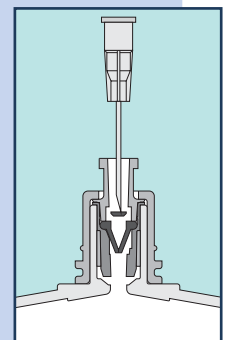
Patent Pending



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.



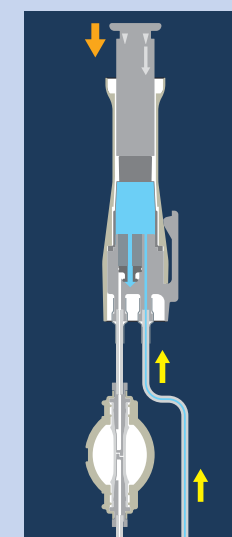
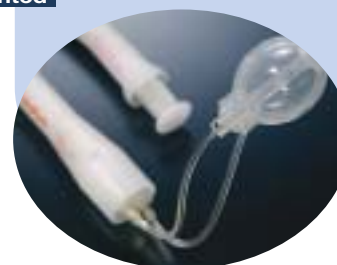
3. A structure that prevents the drug solution from being removed:
The "defense wall" prevents the removal of any drug solution, even if thin rods such as injection needles are inserted.

HOW PCA EQUIPMENT WORKS

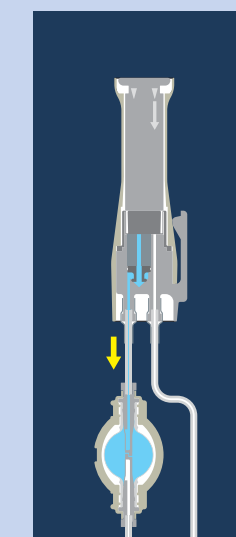
The sub-balloon feature realizes an easy-to-press injection button.

With the use of Coopdech's originally developed sub-balloon, the force needed to depress 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.

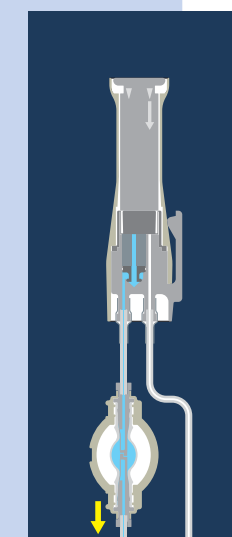
Patented



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.