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”.

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).

Pioneering the future of medical society

DAIKEN MEDICAL CO., LTD.

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

Made in Japan

Contents of this catalog are as of October 2016.
**COOPDECH Balloonjector**

**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.

**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.

**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.

**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.

**Flow rate diagram of COOPDECH Balloonjector**

[Graph showing flow rate vs. time with 10, 20, 30, 40, 50, 60, 70, 80 time intervals and corresponding flow rates 0.0, 0.4, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0 mL/h]

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

**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 sub-balloon inside the sub-balloon is administered automatically due to the sub-balloon’s contraction force.

**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.

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