I.V. Flow regulator - Dosy 2007

Version with 4 indented grips in the lower part

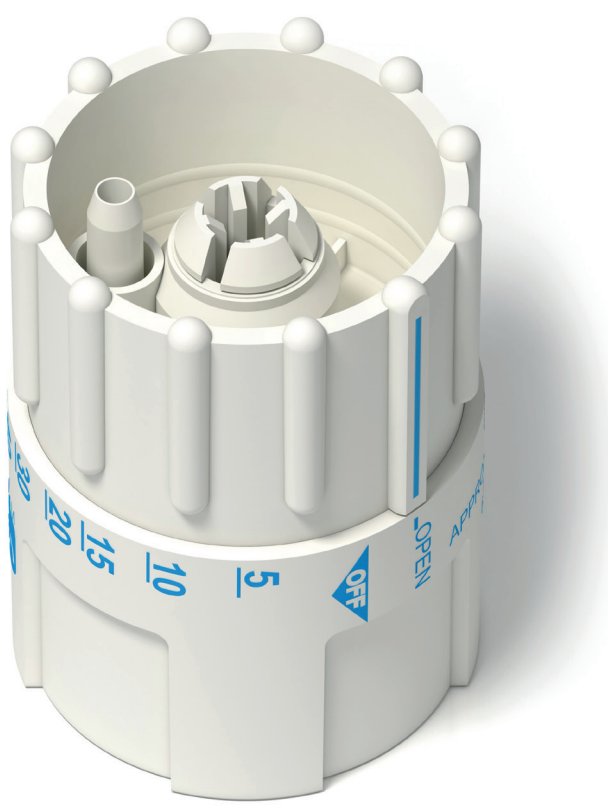
Code 8006

INTENDED USE

Regulation of fluid delivery in I.V. administrations, for gravity use only.

MAIN FEATURES

This device ensures constant administration over time. It allows extreme ease and precision in setting the flows.



FEATURES

Body made with high-heat resistant ABS

This type of material allows the maintenance of mechanical characteristics over time.

Gasket made in clear type silicone LSR

Silicone is the best material for the gasket, because it combines exceptional mechanical characteristics, a perfect biocompatibility and the absence of interaction with drugs.

Microchannel patented

The distribution channel is designed with a specific shape that makes delivery much more accurate, especially at low rates.

Easy and smooth regulation

The silicone gasket is characterized by a low coefficient of friction which allows a smooth rotation of the piece.

Low standard deviation, high precision

The accuracy of the processing and the solutions adopted guarantee a high uniformity of delivery.

Ink type

Scales and logo are printed with UV cured ink to achieve a good stability towards both ethyl alcohol and mechanical stress.

Graduated scale

The flow regulator, sometimes referred to as dial-a-flow, is available with single scale, or other scales. Possibility to print the customer's logo. Several colours are available.

STANDARD
Dosy 2007 complies with the following standards.

ISO 8536-13:2016
Infusion equipment for medical use.
Part 13: graduated flow regulators for single use with fluid contact.

ISO 8536-4:2019
Infusion equipment for medical use
Part 4: infusion sets for single use, gravity feed.

BIOLOGICAL EVALUATION
Tested according to ISO 10993-1

STERILIZATION
EtO - temperature up to 60°C
Gamma - 25 kGy

SHELF LIFE
The 5-year shelf life has been verified by an external laboratory with a study of natural ageing on samples kept in correct condition in warehouse for five years.

The product was found to be compliant after ageing.

DELIVERY RANGE
5-300 ml/h

SCALE ACCURACY
Samples are tested at flow rates of 20, 50, 60, 80, 125 and 200 ml/h and the delivered quantities are recorded after 60 minutes, with a Δh of 100 cm.

The accepted deviation from the nominal value at 20 ml/h is ± 20%.

The accepted deviation from the nominal value at 50, 60, 80, 125 and 200 ml/h is ± 15%.

CONSTANCY OF DELIVERY
Samples are tested at a flow rate of 50 ml/h and the delivered quantities are recorded each hour over a period of 6 hours.
The accepted deviation from the mean value is ± 10%.

HEAT STABILITY - NO LEAKAGE
Dosy 2007 is made of heat resistant materials, which guarantee stability after thermal treatment and ageing.

There is no evidence of leakage for samples that were treated at 65 °C for 7 days. Sealing tests according to ISO 8536-13:2016 at 0.5 bar.

Tested in OFF and in OPEN position, with air and water.

TUBING PORT
Connector for Ø 3x4.1 mm tubing. The connector has both an inner and outer element because gluing on two surfaces is the ideal solution for use with PVC-free tubing.

Phoenix R&D S.r.l.
Viale della Cooperazione, 9 • 45100 Rovigo (RO) - Italy
tel. +39 0425 471507 • info@phoenix-rd.com
www.phoenix-rd.com

Regional Office for UK
info.uk@phoenix-rd.com
mob. +44 7941565386

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