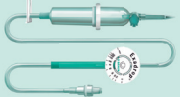



# Exadrop® Product Offerings

## Exadrop® Global Product Portfolio

Ordering Data	Product name	With IV administration set	Without IV administration set	With air vent	PVC/DEHP-free	B.C.V.	Elastic injection site	Injection port*	length of tubing (approx. cm)	Code No. (REF)
	Exadrop® with Intrafix® Primeline	■		■			■		150	406 1209
	Exadrop® with Intrafix® Primeline	■		■			■	■	150	406 1276
	Exadrop® with Intrafix® Primeline	■		■					180	406 1284
	Exadrop® with Intrafix® Primeline	■		■			■		210	406 1225
	Exadrop® with Intrafix® Primeline Neutrapur®	■		■		■			150	406 2264
	Exadrop® Inline		■						54	406 1306
	Exadrop® with Intrafix® Primeline and Infuvalve® B.C.V.*	■		■			■		210	418 8144

Sales unit/pcs.: 50  
 New: PVC tubing in safe DEHP-free quality  
 \*B.C.V. = Back Check Valve

\*Latex-free

### Note

Exadrop® is a gravity-fed IV administration set. Available infusion pressure is limited by the height of the fluid column and the force of gravity. Drop rate is affected by various factors such as hydrostatic pressure (height of the infusion bottle above the patient), venous pressure, patient movement, catheter/needle size and location, fluid viscosity, pressure in fluid container, fluid head-height etc. Changes in any of these factors during infusion can lead to variations in the drop rate. Examples: the patient changes position in bed, fluctuations in venous pressure, changes in the diameter of the tubing (the patient's arm being bent, pinched tubing, or obstruction due to thrombotic occlusion of the needle tip). If solutions of higher viscosity are used, deviations from the given values may occur. Therefore the drop rate must be visually checked.

### Caution

Do not administer blood, plasma products, fluids of high viscosity through Exadrop® controller!

# Exadrop®

## IV Administration Set with precision flow rate regulator for gravity infusion



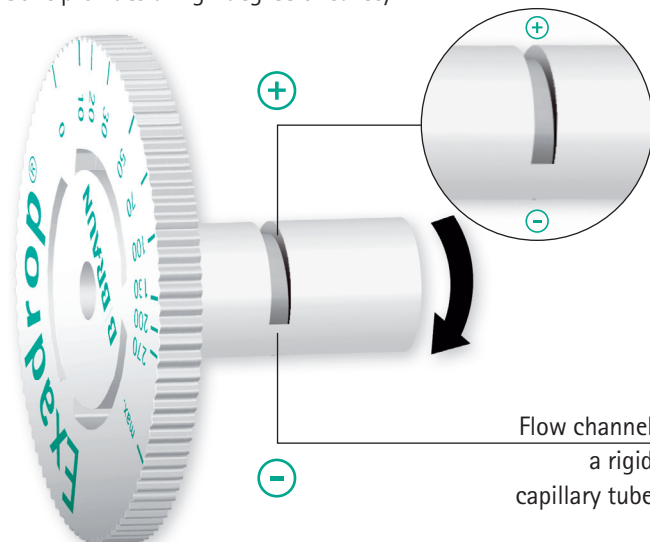
Fluid administration

# Exadrop® – Accurate infusion rate control

Variable, accurate infusion rates for patient safety and optimum drug efficacy

Designed for use in gravity flow situations which require the safety of a constant IV flow rate

IV fluids should be administered as precisely and safely as other medical treatments. Accurate infusion rates ensure patient safety and optimum drug efficacy. Gravity-activated infusion of highly active drugs and nutrient solutions, e.g. with higher osmolarity like NuTRiflex® running 24 h, requires careful supervision. The drop rate with conventional, tubing dependent roller clamps can change significantly within a short period of time. For sophisticated gravity infusions Exadrop®, the tubing independent precision flow rate regulator, enables constant drop rates and thus accurate doses, to be delivered over prolonged periods of time. So it provides a high degree of safety.



## Exadrop® – flow control independent of tubing:

The flow rate is controlled by adjusting the size of a rigid capillary groove in the flow control device. Once the initial drop rate is set, tubing related fluctuations cannot occur thus preventing the solution from rushing through.

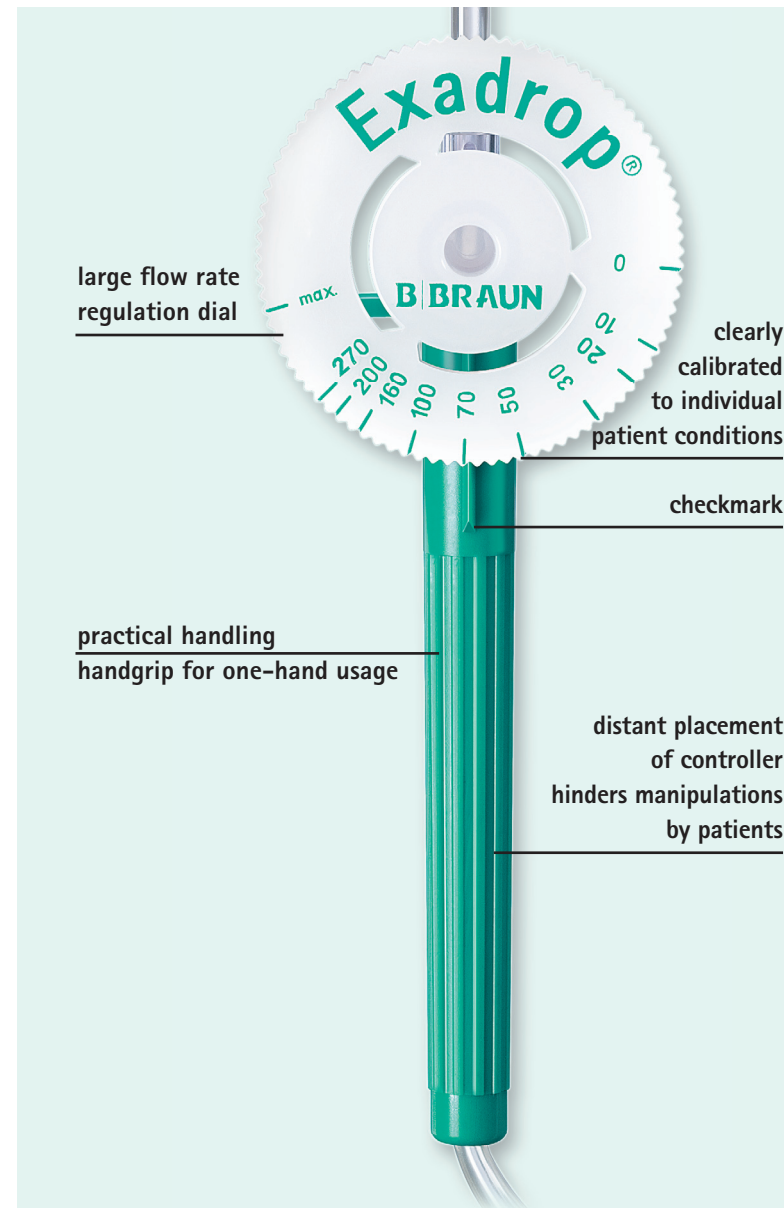
- No self-acting alteration possible.
- Provides constant flow rates. No risk of over-infusion.
- Eliminates influences of tubing properties.

## Constant drop rates

Unlike a roller clamp the drop rate, once set, remains constant for hours without resetting necessity.

## Attain an infusion target volume with greater reliability

- Exadrop® offers much more convenience and safety for the infusion routine compared to a roller clamp.
- It reduces the typical risks of gravity infusion, such as under- or overdosages and free flow.



## Flow Control Markings on the scale make it easy to set the desired drop rate. Dial markings are APPROXIMATE.

The broad range of settings enables accurate flow control over the full range from 3 - 270 ml/h. In addition, a slide clamp can be used to temporarily interrupt the infusion without resetting the drop rate when restarting the infusion.

### Note

The scale values serve as a guide and refer to infusion with 0.9% NaCl solution using a Vasofix® G18 Braunüle IV cannula and a difference in a height of 76 cm between the IV bag or bottle and the patient. Other conditions will result in different values. Therefore, it is absolutely necessary to monitor the drip rate by time to time comparison checks.

# Concentrate on patients not on equipment

Quick, easy and accurate adjustment of constant drip rates. Easily set with one hand.

Gravity infusion administration sometimes requires an extra measure of safety and precision related to traditional roller clamps. Exadrop® provides a greater degree of consistency of flow rate. As it performs independently from the tubing characteristics it offers a significant protection against accidental free flow caused by cold creep of the tubing etc.

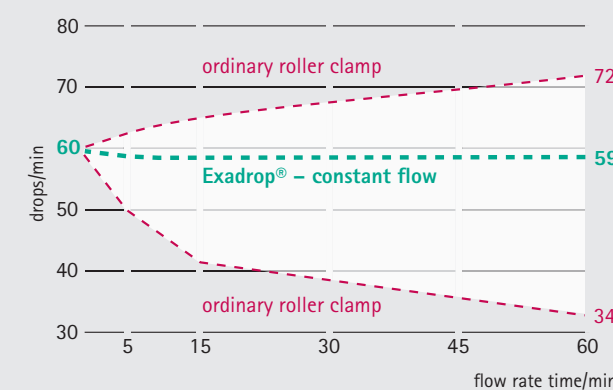


## Using one hand:

Exadrop® is designed for a secure grip, allowing easy and accurate adjustment with a simple turn of the dial.

## Accuracy of IV Administration: Exadrop® vs. roller clamp

In a head-to-head comparison, Exadrop® delivers significantly more constant infusion rates: With the roller clamp, the elastic infusion tubing moves out from under the clamping pressure applied by the roller wheel within just a short time; this causes the lumen and flow rate to vary continuously. With Exadrop® this is excluded designwise.



## User benefits

- Consistent and reproducible in flow rates
- Rapidly and convenient to select and adjust a preselected rate of delivery
- No frequent re-adjustments required to maintain a constant flow rate
- Time gain
- Compact and simple to use



## Complete IV Administration set. The Exadrop® flow regulator is tightly integrated in Intrafix® Primeline IV Administration set.

- Ready-to-use.
- Avoids the need of time-consuming assembly.
- Eliminates the risk of microbial and/or particulate contamination.
- Placed far away from patient reachability.
- Optionally an inline version without IV set available.
- New: whole set in DEHP-free quality.