CODAN I.V. STAR® FILTER

Infusion filters
and filter systems
Safe and reliable: I.V.STAR® infusion filters from CODAN

With the infusion filters and complete filter systems from the I.V.STAR® series, CODAN sets standards in infusion therapy. As always, patient safety, simple handling, flexibility in use and cost-consciousness are in the foreground with CODAN – especially in such a sensitive area as infusion therapy. There are no compromises with regard to quality and precision! Our I.V.STAR® filters and filter systems guarantee constant quality standards of the highest levels, both for your benefit and for the well-being of the patients.

The safe standard in many fields of application

Like all CODAN types of filter, the I.V.STAR® model (colour characteristic: transparent white) is available in three different sizes, the designation of which states the available filtering area (1.6, 4.5 or 10 cm²). The selection of the filter is based on the volumes of infusions to be administered in the therapy.

The pore size of the CODAN I.V.STAR® is 0.2 µm on all filter surfaces. In this way, this filter is the standard model for the most frequent fields of application in infusion therapy. The specific filter membrane reliably and safely protects against particles (e.g. rubber abrasion, glass splinters or flocculation) and also against micro-bacterial contaminations through skin or air contact. Sorption phenomena are avoided to a great extent by the selection of the materials used. An additional benefit for patient safety is the separation of air which has entered the infusion system unintentionally. The particularly long period of use of up to 96 hours contributes to the economy and – not least – environmental relief due to reduction of the materials used.
Lipid filtration without risks
The filters of the I.V.STAR® F series have been specifically developed for the administration of lipids (colour characteristic: transparent blue). They are primarily used for retention of fungi, spores, particles and air. The pore size is 1.2 µm; the materials used have been selected in such a way that sorption phenomena are minimised to a great extent - as with the standard filters with a 0.2 µm pore width. A further benefit of the I.V.STAR® F filters is that despite the relatively low pore size, high throughput rates are also guaranteed for the lipid filters. Depending upon their use and the infusion volume, the I.V.STAR® F filters are also available with a filter surface of 1.6, 4.5 and 10 cm².

The specific filter from CODAN
In some fields of application, above all in permanent vascular access, endotoxin retention filters are increasingly being used in the course of an infusion concept. This particular type of filter under the designation of I.V.STAR® Plus (colour characteristic: transparent green) is also available from CODAN – for extra safety and reliability!

As in the standard filters, the pore size is 0.2 µm. The endotoxin retention is achieved by the positive charging of the filter membrane. In this way, the toxic macro-molecules coming from the gram-negative bacteria can also be retained reliably. I.V.STAR® Plus filters from CODAN are also available in sizes of 1.6, 4.5 and 10 cm².
Typical of CODAN

**Perfect down to the smallest detail**
According to the proverb, the devil is in the nuts and bolts. In everyday hospital life, this can have serious consequences, which is why CODAN places special importance on perfection and well thought-out solutions in which nothing is left to chance. This principle naturally also holds for the CODAN I.V.STAR® filters. All the filters can be operated with all the customary infusion pumps without any problems. They work equally as reliably with gravity and parallel infusions, in which both processes are connected with one another. The use of original CODAN accessories (e.g. Luer-Lock cannula holders with non-return valves) ensures maximum safety for patients and guarantees quick work for medical personnel – a noticeable relief for both sides!

**Doesn’t work? Doesn’t exist!**

**CODAN I.V.STAR® filter systems for specific demands**
Frequently, specific medications, such as cytostatics, mean specific demands for the transmission systems. For such specific applications (e.g. in the risk of the release of plasticisers or in migration problems of effective agents), CODAN provides specific transmission devices in which generally inert and DEHP-free materials are used. The I.V.STAR® filters are available in such specific configurations. It is naturally part of the accustomed CODAN service that we try to recognise possible difficulties in complex infusion therapies together with you, in order to offer you tailor-made filtration systems.
Practically safe and compact
CODAN offers pre-packed and ready-for-use complete infusion filter systems for virtually every case of application. The great benefit is that these systems minimise the contamination risk to a considerable extent compared with the use of individual components. Even complex infusion systems (e.g. making use of three-directional taps, tap banks or in the coupling of gravity and pump-controlled infusions) can be implemented quickly, simply and at a particularly favourable price with the I.V.STAR® systems. Infusion-therapeutic concepts can be implemented practically without limitations. In the great variety of the complete systems of the I.V.STAR® filter series on offer, only a few moves of the hand are needed in order to install the entire infusion system. For your safety, all the CODAN I.V.STAR® filter systems are also TÜV tested.

Examples of products
- Infusion filter sets and systems with 0.2 µm filters for small, medium and large volumes
- Infusion filter sets and systems with 1.2 µm lipid filters for small, medium and large volumes
- Infusion filter sets and systems with 0.2 µm filters for endotoxin filters for small, medium and large volumes
- Infusion devices with 0.2 µm filters for the administration of chemo-therapeutics
- Customer-specific systems for specific applications
CODAN is internationally known as a manufacturer and supplier of disposable medical administration systems. The CODAN Companies worldwide employs more than 1,500 people.

The name CODAN represents reliability, quality and precision supported by the knowledge and experience of more than 50 years of research and development. Our worldwide production facilities and sales organisations deliver first class service to all our customers in the healthcare sector.

CODAN Companies

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The decisive connection

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