



## SCOPE WARMING SYSTEM



**Lens Defog** is a system developed for the effective warming of rigid scopes up to 60 cm in length, used in endoscopic procedures. It prevents lens fogging caused by temperature variations during minimally invasive surgeries.

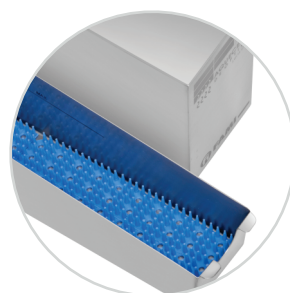
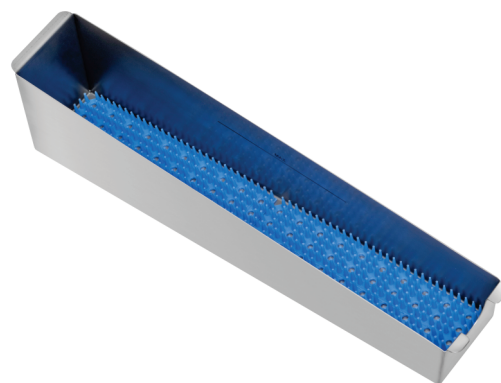
Its use is recommended **outside the patient's body**, providing immediate and safe defogging of the optics by immersing the shaft in a sterile, heated solution placed over a metal tray with a protective silicone mat.

The system is composed of a **removable tray and mat, both autoclave-sterilizable**, along with a heating structure equipped with a **shielded resistance element and LED indicator**, ensuring visual control and consistent performance throughout the entire surgical procedure.

For maximum efficiency, it is recommended to have **one Lens Defog per operating room equipped with a video tower**, and to adjust the number of sterilizable trays based on the reprocessing routine and number of procedures per shift.

### Key Features

- Uniform and efficient warming of endoscopic optical shafts;
- Tray and silicone mat 100% autoclave-sterilizable\*;
- **No disposable components** – more sustainable and cost-effective;
- **Compact design** – easy to transport and install;
- **AISI 304L** stainless steel structure – corrosion resistance and easy cleaning;
- **Shielded heating element** – enhanced safety and durability;
- **LED indicator** – shows active heating for visual control;
- **Side hook for fixing sterile surgical drapes**;
- Industrial Design Registration: **BR 30 2024 005487 4**;
- Utility Model Patent Application: **BR 20 2024 020282 7**.



\***Sterilizable Tray:** for placement of sterile heated solution.

\***Sterilizable Silicone Mat:** for protecting the endoscope optical shafts.

# Codes, dimensions and weight

## Scope Warmer - Lens Defog

Codes	Dimensions	Weight	Specifications
311.120	480 x 90 x 245 mm	6,200 kg	220V / 60Hz

## Tray for Scope Warmer

Codes	Dimensions	Weight	Specifications
231.020	470 x 84 x 135 mm	1,230 kg	-

## Silicone Mat for Scope Warmer

Codes	Dimensions	Weight	Specifications
557.420	230 x 82 x 15 mm	0,140 kg	-

