

FLEBOGRIF™

SET FOR VENOUS INSUFFICIENCY TREATMENT



Patented mechano-chemical solution

Clinically proven effectiveness¹⁻⁴

Non-thermal, non-tumescent technique

 **BALTON™**

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since 1980

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DEVICE DESCRIPTION

The set for venous insufficiency treatment Flebogrif consists of several components: catheter, needle, guidewire, introducer sheath, dilator, three-way stopcock and syringes (Fig. 1.). The catheter is equipped with a cutting elements consisting of five retractable, branching arms arranged circumferentially designed to scratch the inner wall of the vein. The catheter consists of two coaxially cooperating parts:

- internal – designed to be a lumen for the guidewire and to deliver the foamed sclerosant. The distal part includes of a cutting elements and atraumatic tip. The proximal part consists of a female luer-lock hub informing about the dead space volume of the catheter and a marker indicating the opening / closing of the cutting elements;
- external – with length markers every 1 cm (starting at 10 cm from the distal end).

The cutting elements are retracted by sliding the outer part over the inner part. Turning the n on the Y connector allows the cutting elements to be locked in the open position.

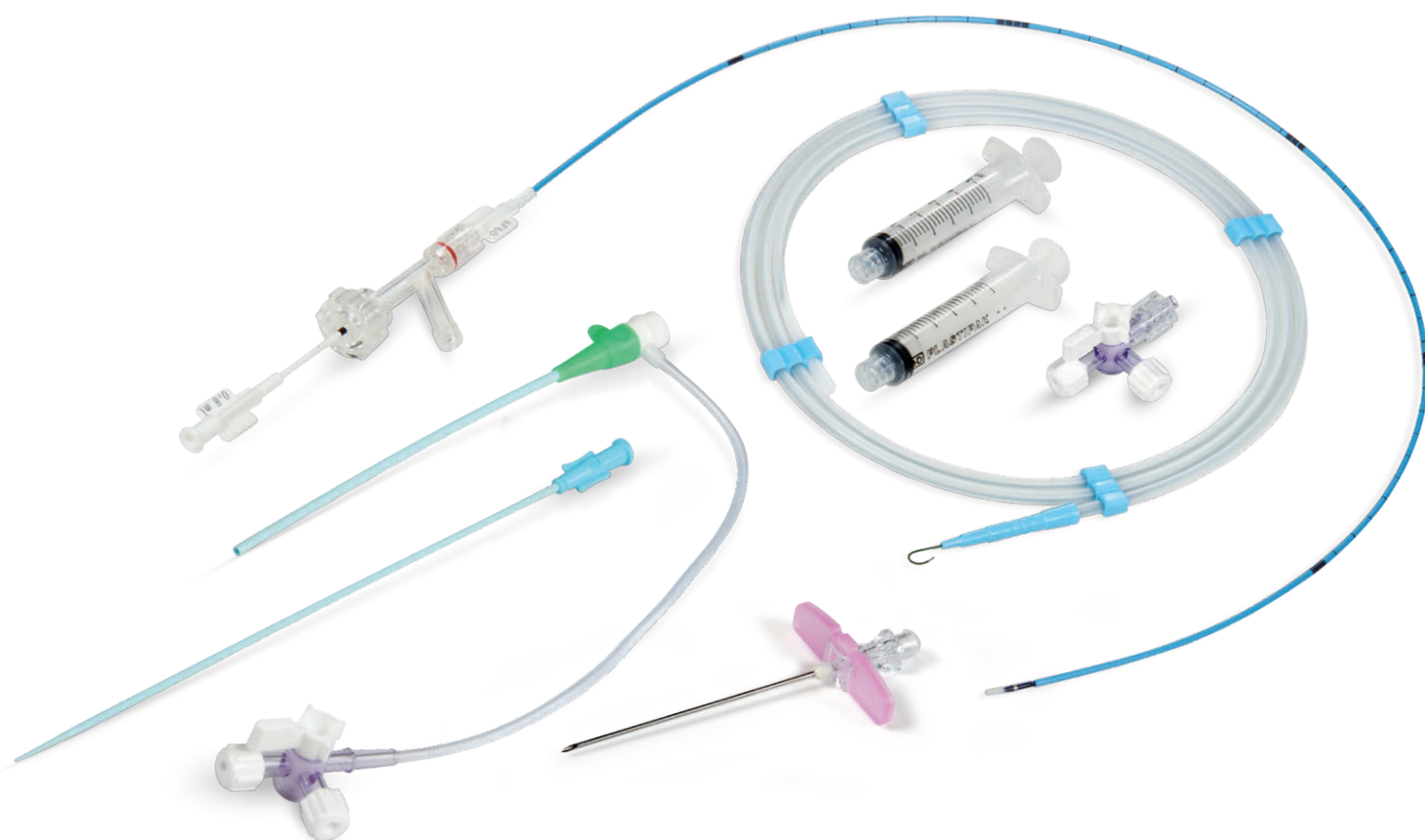
INTENDED PURPOSE

The Set for Venous Insufficiency treatment, Flebogrif is intended for mechanochemical ablation of lower extremity superficial truncal veins.

SET ELEMENTS:

- Flebogrif catheter 6 F;
- Needle 18 G;
- J-type guidewire 0.034";
- Introducer sheath 6 F;
- Dilator;
- Three-way stopcock;
- Luer-lock syringe 5 ml 2 pcs.

The confirmed effectiveness
is **>90% at 36-months observation**¹⁻⁴



ORDERING INFORMATION

Catalogue No.	Catheter size [F]	Catheter length [cm]
FLE6F90	6	90
FLE6F60	6	60

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ADVANTAGES:

Performance and safety confirmed in several clinical trials¹⁻⁴:

- High success rate (success rate: >90%);
- One size adapting to various vein diameters;
- Below-the-knee segment treatment possible (no thermal risk injury);
- Long vein segment can be treated during one session (60 cm and 90 cm catheter available);
- Only local anesthesia;
- Well-accepted by the patients (low level of pain complains);
- Ambulatory procedure;
- Short operative time;
- Foam as the sclerosing agent;
- Low risk of complications;
- Fast return to normal activity and work.

PRODUCT FEATURES:

- Over-the-wire system;
- Needle and cutting elements visible in the USG;
- Easy to dispose of (no electronic parts);
- Foam injection speed determined by catheter pullback movement;
- Starting at 10 cm the catheter has length markers every 1 cm.



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2. Iłżecki M, Terlecki P, Przywara S, Zubilewicz T., Single-centre experience with mechanochemical ablation of insufficient veins with the Flebogrif® catheter in a 36-month follow-up, *Phlebological Review*, Vol. 29, Issue 1, June 01, 2021, p. 32-37. DOI:10.5114/pr.2021.106880
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4. Piotr Ciostek, Marcin Kowalski, Witold Woźniak, Tomasz Mitek, Piotr Myrcha, Bartosz Migda, Phlebogriffe – a new device for mechanochemical ablation of incompetent saphenous veins: a pilot study *Phlebological Review* 2015; 23, 3: 72-77 DOI: 10.5114/pr.2015.57466

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