

FLEBOGRIF®

SET FOR VENOUS INSUFFICIENCY TREATMENT



Patented mechano-chemical solution

Clinically proven effectiveness¹⁻⁴

Non-thermal, non-tumescent technique

 **BALTON®**

BALTON
since 1980

CE 0197

FLEBOGRIF®

SET FOR VENOUS INSUFFICIENCY TREATMENT

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.

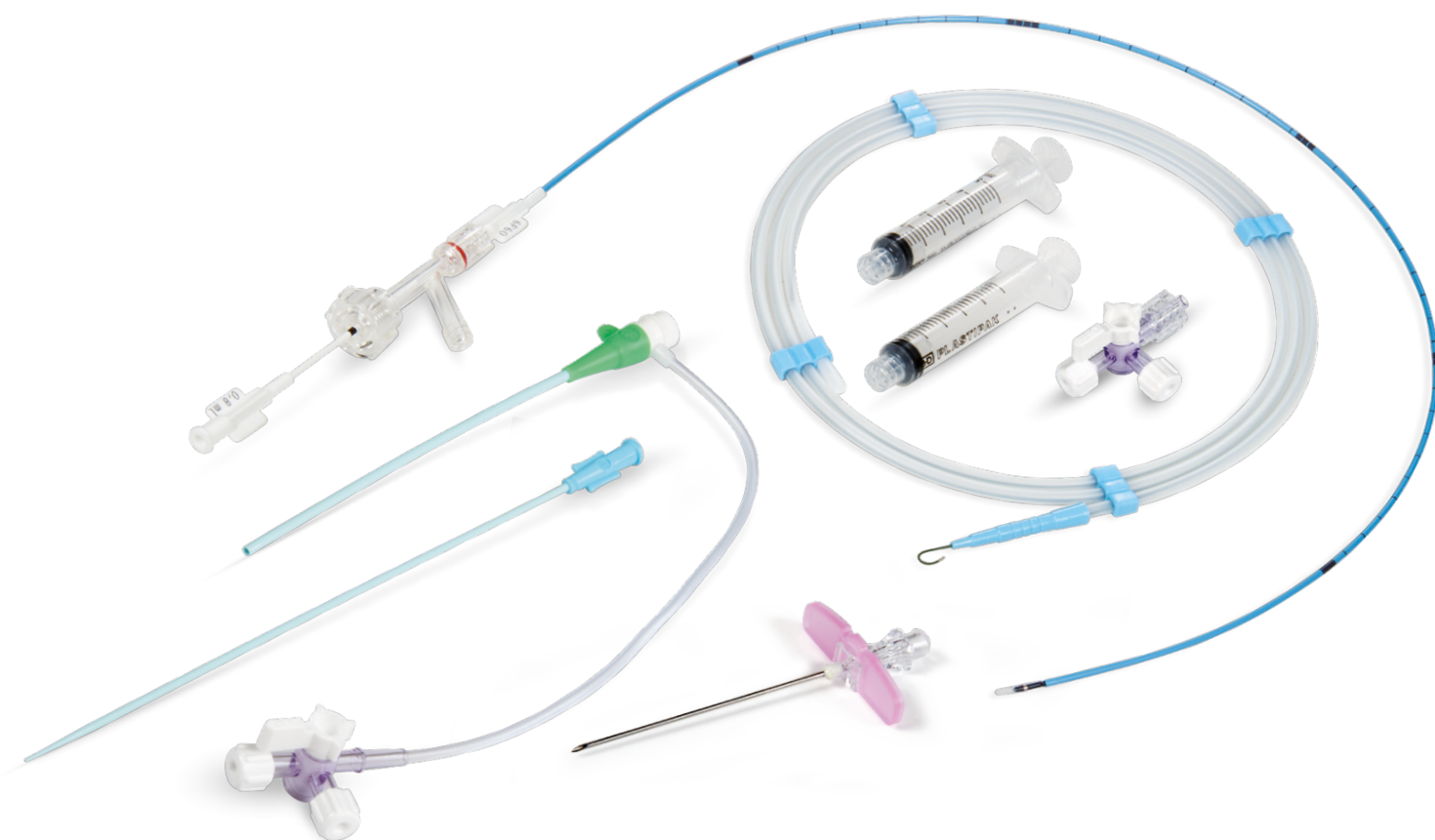
INTENDED PURPOSE

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 0.035";
- Introducer sheath 6 F;
- Dilator;
- Three-way stopcock;
- Luer-lock syringe 5 ml 2 pcs.

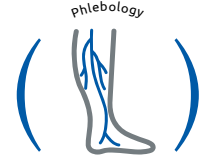
The confirmed effectiveness
is **>90% at 36-months observation**¹⁻⁴



ORDERING INFORMATION

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

FLEBOGRIF®



SET FOR VENOUS INSUFFICIENCY TREATMENT

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.



1. Alozai T, Huizing E, Schreve M, Mooij MC, van Vlijmen CJ, Wisselink W, Ünlü Ç., A systematic review and meta-analysis of mechanochemical endovenous ablation using Flebogrif for varicose veins., *Journal of Vascular Surgery*, Vol. 10, Issue 1, p. 248-257.e2, January 01, 2022, DOI: 10.1016/j.jvsv.2021.05.010.
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
3. M. Tawfik, Waleed A. Sorour Medhat E. El-Laboudy, Laser ablation versus mechanochemical ablation in the treatment of primary varicose veins: A randomized clinical trial, *Journal of Vascular Surgery*, Vol. 8, Issue 2, p. 211-215, December 18, 2019, DOI: 10.1016/j.jvsv.2019.10.025
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

Caution:

The content of this document, including provided data, information, trademarks and logos are the sole property of BALTON. Any reproduction, whether in whole or in part, is strictly prohibited and will be considered a violation of BALTON's copyrights and other intellectual proprietary rights. ©2025 Balton sp. z o.o. All rights reserved. This document and any images contained therein is intended solely for the use by healthcare professionals and BALTON's distributors.

This publication is for information purposes only and should not be construed as a commercial offer in the meaning of art. 66(1) of the Polish Civil Code.

All medical devices made commercially available by BALTON must be used in accordance with the enclosed instructions for use.

This publication presents only a small sample of our complete offering of medical devices. For further information please contact your Balton representative or email us at balton@balton.pl.



Balton sp. z o.o., ul. Nowy Świat 7/14, 00-496 Warszawa, Poland
Tel.: +48 22 597 44 00, Fax: +48 22 597 44 44
e-mail: balton@balton.pl, www.balton.pl
Made in Poland