
EVRF®

ENDOVENOUS RADIO FREQUENCY

Treatment of varicose veins & hemorrhoids

- Spider veins
- Petechia
- Rosacea
- Reticular veins
- Collateral veins
- Perforating veins
- Saphena Magna
- Hemorrhoids



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- All-in-one device
- Large range of treatments
- Low investment and maintenance costs
- Minimal damage to surrounding tissue
- Minimal invasive treatments
- Immediate return to normal daily activities

F Care Systems NV
Oosterveldlaan 99
2610 Wilrijk - Belgium
Tel: +32 3 451 51 45
Fax: +32 3 451 51 39
info@fcaresystems.com
www.fcaresystems.com

EndoVenous Radio Frequency

The EVRF® is an all in one device for the treatment of different kinds of varicose veins - from the very small spider veins to collateral veins and perforating veins to the GSV.

F Care Systems recently developed a probe for the treatment of hemorrhoids with the same EVRF® device.

For every treatment the appropriate catheter or needle is connected to the generator. Which catheter needs to be used depends on the size of the vein to be treated.

Thermocoagulation

All EVRF® treatments are based on the principle of thermocoagulation.

The principle of thermocoagulation is the heating of the vein wall by sending a high frequency signal into the tip of the catheter or needle that will make the cells vibrate so that they increase in temperature.

Thermocoagulation with radio frequency in 4 steps:

- Ionization of the cell
- Vaporization and dehydration of the tissue
- Denaturation of the collagen fibers
- Vascularization of the tunica intima

The electrical resistance of a cell will be reversed by thermocoagulation. Because the needle or catheter is insulated, the effect is very local and minimal on the surrounding tissue.

EVRF® generator

The catheters and the needles are connected to the central unit which generates the high frequency signal.

Technical specifications

EVRF®

- Supply Voltage: 110-230 V / 50-60 Hz
- Power: 125 VA
- BF type device
- Protection degree against liquid penetration: IPX0
- Temporized fuse in glass
- Dimensions: (H) 360 mm x (D) 280 mm x (W) 120 mm
- Weight: 12 kg
- Class IIa device
- Insulation: class I
- Output of the thermocoagulation (HF) signal
- Fuse reference: 2 x F2A / 250 V