
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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EVRF[®]

ENDOVENOUS RADIO FREQUENCY



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.

- 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

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 thermo coagulation (HF) signal
- Fuse reference: 2 x F2A / 250V

F Care Systems NV
Kontichsesteenweg 54
2630 Aartselaar • Belgium
Tel: +32 3 451 51 45
Fax: +32 3 451 51 39
info@fcaresystems.com
www.fcaresystems.com

