



erbe  
power your performance.



## VIO® product family

The right solution for every specialty

# Customized electrosurgery. Precisely the way you want it.

VIO stands for flexible cutting and coagulation – but also for flexibly configurable workstations for every surgical specialty.

Every surgeon can put together his own individual system, choosing from a range of modules, modes and functions. And so can gynecologists, gastroenterologists, urologists or medical specialists working in their own outpatient practice. The advantage: the system will include only those components which the physician really needs. A cost-efficient solution with no superfluous software or hardware modules. **True to the motto: less is more.**

The electrosurgical module VIO forms the basis of the workstations. Users can choose from a range of models which, in their turn, can also be configured individually and flexibly, for example, with regard to the choice of output sockets, functions, and the electrosurgical modes. This overview shows the range of VIO electrosurgery units to give you an idea of the application areas of the different models.

## VIO<sup>®</sup> D



## VIO<sup>®</sup> S



## VIO<sup>®</sup> C



**The high-end models of the D series, the VIO 300 D and the VIO 200 D,** have a high-resolution TFT color display. The regulative technology of the D and S models is based on the regulation of voltage, sparking and output. Safe and easy to use, with FocusView functions. VIO 300 D is the most versatile unit for clinical applications, offering maximum functionality and a wide choice of modes and upgrades. The VIO 200 D is primarily for specific medical specialties such as gastroenterology and is equipped with modes and upgrades such as argon plasma coagulation or ENDO CUT I/Q. Submodules are linked via intelligent ECB interfaces.

**The S models, the VIO 300 S and the VIO 200 S,** are a cost-conscious alternative to the D series. The programmable seven segment matrix display of the S models offers direct access to all program parameters. The choice of versions allows these units to be universally used. FocusView displays essential information for all connected or activated instruments. Submodules are linked via intelligent ECB interfaces.

**The VIO 50 C and VIO 100 C models** fulfill all basic requirements of monopolar cutting and monopolar and bipolar coagulation. The C models are designed for outpatient clinics and practices. **Applications:** interventions performed on an outpatient basis in the fields of dermatology, plastic surgery, ENT, gynecology, casualty surgery, ophthalmology.

### Legend:

- strongly recommended
- recommended

# Configuration. Modules. Areas of application.



## An example of a workstation configuration:

The GI workstation with the components argon plasma coagulation APC® 2 and the waterjet surgery system ERBEJET® 2 for ESD. Additional module: endoscopic irrigation pump EIP 2.

For more detailed information on different modules, choice of sockets, modes and languages of the system's software, please refer to the individual brochures.

85140-120 (VIO D), 85140-160 (VIO S), 85140-180 (VIO C)

## VIO modules for the various workstations



Argonplasma-Koagulation  
**APC 2**



Smoke plume evacuator  
**IES 2**



Nervtest  
**NT 2**



Endoscopic irrigation pump  
**EIP 2**



VIO extension module  
**VEM 2**



Separate waterjet surgery system  
**ERBEJET 2**



Secretion aspirator  
**ESM 2**

For practices in hospitals and outpatient operations

Clinics / Practices

	VIO 300 D	VIO 200 D	VIO 300 S	VIO 200 S	VIO 50/100 C
Gynecology	■	-	■	-	■
Urology	■	-	■	-	■
General surgery	■	-	■	-	■
Gastroenterology / Endoscopy	■	■	■	■	-
Pulmonology	■	■	■	■	-
ENT	■	-	■	-	■
Orthopedics	■	-	■	-	■
Dermatology	■	-	-	■	■
OMS	■	■	■	-	■
Ophthalmology	-	-	-	■	■

# Overview of electrosurgical modes.

## CUT Modes

	VIO 300 D	VIO 200 D	VIO 300 S	VIO 200 S	VIO 50/100 C
AUTO CUT	■	■	■	■	■*
HIGH CUT	■	-	○	-	-
DRY CUT	■	▣	○	-	■*
DRY CUT°	■	-	○	-	-
BIPOLAR CUT	■	■	○	-	-
BIPOLAR CUT +	■	-	-	-	-
BIPOLAR CUT ++	■	-	-	-	-
PRECISE CUT	▣	▣	-	-	-
BIPOLAR PRECISE CUT	▣	▣	-	-	-
ENDO CUT Q	▣	▣	□	□	-
ENDO CUT I	▣	▣	□	□	-
ARGON AUTO CUT	■	■	■	■	-
ARGON HIGH CUT	■	-	○	-	-
ARGON DRY CUT	■	▣	○	-	-
ARGON DRY CUT°	■	-	○	-	-

## COAG Modes

	VIO 300 D	VIO 200 D	VIO 300 S	VIO 200 S	VIO 50/100 C
SOFT COAG	■	■	○	■	■*
SWIFT COAG	■	■	○	-	-
SWIFT COAG°	■	-	○	-	-
CLASSIC COAG	■	-	■	-	-
FORCED COAG	■	■	○	■	■*
SPRAY COAG	■	-	■	-	-
BIPOLAR SOFT COAG	■	■	■	■	■*
BIPOLAR SOFT COAG +	■	-	-	-	-
BIPOLAR SOFT COAG ++	■	-	-	-	-
BIPOLAR FORCED COAG	■	■	-	-	-
PRECISE COAG	▣	▣	-	-	-
BIPOLAR PRECISE COAG	▣	▣	-	-	-
TWIN COAG	▣	-	□	-	-
BICLAMP	▣	-	-	-	-
FORCED APC	■	■	■	■	-
PRECISE APC	■	■	-	-	-
PULSED APC	■	■	-	-	-
ARGON SOFT COAG	■	■	○	■	-
ARGON SWIFT COAG	■	■	○	-	-
ARGON SWIFT COAG°	■	-	○	-	-
ARGON FORCED COAG	■	■	○	■	-
ARGON TWIN COAG	▣	-	□	-	-

### Legend:

■ included  
○ depending on the version

▣ upgradeable  
□ only available ex factory (must be ordered)

\* modified modes,  
power adjustment only

# Technical data

## VIO 300 D/S and VIO 200 D/S

Power output	
Maximum Cut output (VIO 300 D / VIO 300 S)	300 Watt at 500 Ohm (with PPS momentarily 400 Watt)
Maximum Cut output (VIO 200 D / VIO 200 S)	200 Watt at 500 Ohm
Maximum Coag output	up to 200 Watt
NE monitoring system	NESSY
Frequency	350 kHz

  

Mains connection	
System voltage	100 V – 120 V / 220 V – 240 V ± 10 %
Power frequency	50 / 60 Hz
Max. mains current	max. 8 A / 4 A
Power input during standby	40 Watt
Power input during max. HF output	500 Watt / 920 VA
Potential equalization connection	yes
Mains fuse	T 8 A / T 4 A
Dimensions	Width x Height x Depth 410 x 160 x 370 mm
Weight	9.5 kg

## VIO 50 C and VIO 100 C

Power output	
Max. CUT output VIO 100 C	100 Watt at 500 Ohm
Max. COAG output VIO 100 C	80 Watt at 100 Ohm
Max. CUT output VIO 50 C	50 Watt at 500 Ohm
Max. COAG output VIO 50 C	50 Watt at 100 Ohm
NE monitoring system	available

  

Mains connection	
System voltage	100 V – 240 V ± 10 %
Power frequency	50 / 60 Hz
Max. mains current	max. 2.0 A
Power input during standby	< 15 Watt
Power input during max. HF output	190 Watt / 200 VA
Potential equalization connection	yes
Mains fuse	T 4 A
Dimensions	Width x Height x Depth 280 x 135 x 300 mm
Weight	4 kg

Standards (for VIO D, VIO S, VIO C)	
Classification according to EU Directive 93/42/EEC	II b
Protection class according to EN 60 601-1	I
Type according to EN 60 601-1	CF



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