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power your performance.



# APCapplicator

All functions in one hand

# All functions at your fingertips

*The APCapplicator is a multimodality electrosurgical instrument. In addition to "standard" non-contact argon plasma coagulation, other electrosurgical options are integrated into the handpiece: traditional cutting and coagulation with spatula or needle electrode or argon-assisted modalities as desired.*

*The APCapplicator will convince you too – like virtually all users from a wide range of specialities.*

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## WHY APCAPPLICATOR?

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- ☑ Convenient activation of all functions with one hand
- ☑ Light-weight ergonomic design\*
- ☑ ReMode® function: allows users to toggle between modes and settings from the operating field
- ☑ Instrument detection: Experienced starting settings and optimized argon flow recognized (plug and operate)
- ☑ Sterile single-use product with integrated membrane filter\*: Immediate OR availability. No reprocessing required

93 %

OF USERS  
WOULD RECOMMEND  
THE PRODUCT TO A  
COLLEAGUE

73 %

OF USERS SAY THAT  
ONE-HAND OPERATION  
IS AN ADVANTAGE

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## ADVANTAGES OF ARGON PLASMA COAGULATION

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- ☑ Rapid superficial coagulation for uniform hemostasis and ablation
  - particularly for parenchymal tissue (e.g. liver, kidneys) and for diffuse bleeding
  - across larger resection surfaces
- ☑ Non-contact technique
- ☑ Homogenous target tissue effect with limited coagulation depth

# The 5 application options



1 Application with APC

**Argon plasma coagulation, non-contact**  
efficient, homogenous coagulation with limited penetration

## Applications with argon gas



**Argon-assisted cutting**  
in chemically inert argon gas



**Argon-assisted coagulation**  
in chemically inert argon gas

## Applications without argon gas\*



**Electrosurgical cutting**  
without argon gas



**Electrosurgical coagulation**  
without argon gas

\* At an argon flow of 0 l/min.

# Clinical Versatility\*

The APCapplicator with its multiple functions can be used for many surgical procedures, whether open or laparoscopic. From incision and mobilization of the target organ, to tissue ablation, and homogenous coagulation – the APCapplicator can do it all. The ReMode® function allows you to toggle between settings and modes without having to change instruments.

## Gynecology



Coagulation of mammary gland tissue with the APC function

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### BREAST SURGERY

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The user dissects the outer layers of the breast and the mammary gland tissue with the APCapplicator and a needle or spatula electrode with "argon-assisted cutting". The argon gas keeps the view of the dissection plane clear.

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### BREAST SURGERY, COAGULATION OF DIFFUSE BLEEDING

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The non-contact argon plasma coagulation enables rapid, homogenous coagulation of diffuse bleeding with low penetration. The APCapplicator provides optimal functions for all phases of the surgery for applications with non-contact APC or argon-assisted cutting or coagulation.

## Visceral surgery



Coagulation of the gall bladder base with the APC function

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### LAPAROSCOPIC CHOLECYSTECTOMY

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When mobilizing the gall bladder the "argon-assisted cutting" function enables clean dissection with minimal bleeding and clear visualization of the surgical site.

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### LAPAROSCOPIC CHOLECYSTECTOMY, COAGULATION OF BLEEDING

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Local or diffuse bleeding of the gall bladder bed can be easily coagulated with non-contact APC function.

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### PARTIAL LIVER RESECTION

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The Glisson's capsule is incised with argon-assisted cutting.

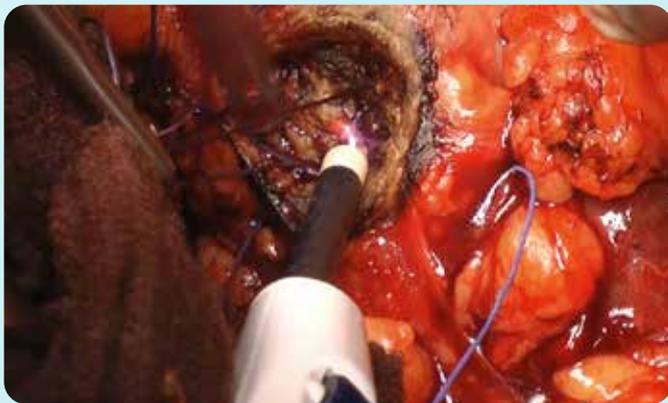
For the resection margin of the highly vascularized liver, the non-contact APC function provides homogenous and uniform hemostasis with minimal coagulation depth.

## The workstation for APC and argon-assisted electrocautery

The modules of the VIO®/APC workstation system are engineered and developed for the optimal application of both argon plasma coagulation and argon-assisted electrocautery. The APC and electrocautery modes are selected and activated via the VIO® display. The stored experienced starting settings can be configured and saved to your specific requirements.



## Urology



*Homogenous and wide-area coagulation of a kidney resection bed*

### PARTIAL NEPHRECTOMY

The resection surfaces of the outer kidney parenchyma can be coagulated homogeneously and over a wide area with the APC function.

## Thoracic surgery



*Coagulation with APC during a lung resection*

### LOBECTOMY

Resection areas of the lung are coagulated with the non-contact APC function, as is diffuse bleeding on the thoracic wall.

### Additional applications for non-contact APC\*

- ☑ Open-surgery adrenalectomy (for coagulation of the posterior peritoneal wall or kidney capsule)
- ☑ Esophagus resection
- ☑ Open-surgery hemicolectomy
- ☑ Whipple operation (partial pancreaticoduodenectomy, a Kausch-Whipple procedure)

*\*Based on performed procedures (user acceptance testing 03/2016)*

# APCapplicator

## Ergonomics and efficiency

*With the APCapplicator, all functions are at your fingertips. The light-weight and ergonomic design promotes more efficient use with limited instrument exchange. Simply connect your instrument to get started.*

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### SHAFT TUBE 01

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Exposed electrode length can be adjusted (0–14 mm) while keeping the distal working distance unchanged

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### SHAFT ROTATION 02

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The spatula electrode can be rotated for use at any angle



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### ROTARY WHEEL 03

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The shaft can be extended and retracted

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### CUT/COAG BUTTONS 04

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### REMODE® BUTTON 05

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Enables convenient toggling between program settings and modes

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### INSTRUMENT DETECTION 06

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Connect the APCapplicator and start working; experienced starting settings can be configured

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### INTEGRATED MEMBRANE FILTER 07

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Patented safety design\*

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### FLEXIBLE CONNECTING CABLE 08

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Improved ease of use – like working “virtually without a cable”

## Accessories for all models

**Adapter for connection to APC 2**  
with standard APC socket  
No. 20132-249





## A varied portfolio

APCapplicator, with membrane filter, rigid, slidable shaft, ø 5 mm, ReMode® button, cable 3 m

**APCapplicator, 35-mm shaft**  
Spatula electrode  
No. 20132-250

**APCapplicator, 100-mm shaft**  
Spatula electrode  
No. 20132-252

**APCapplicator, 350-mm shaft**  
for laparoscopy, spatula electrode  
No. 20132-254

**APCapplicator, 35-mm shaft**  
Needle electrode  
No. 20132-251

**APCapplicator, 100-mm shaft**  
Needle electrode  
No. 20132-253

**APCapplicator, 350-mm shaft**  
for laparoscopy, needle electrode  
No. 20132-255

APCapplicator, with membrane filter, malleable, fixed shaft, ø 5 mm, cable 3 m

**APCapplicator, 100-mm shaft**  
1 coagulation button  
No. 20132-256



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