

BOWA
ARC
400



ARC 400

Electrosurgical device
Performance at your fingertips

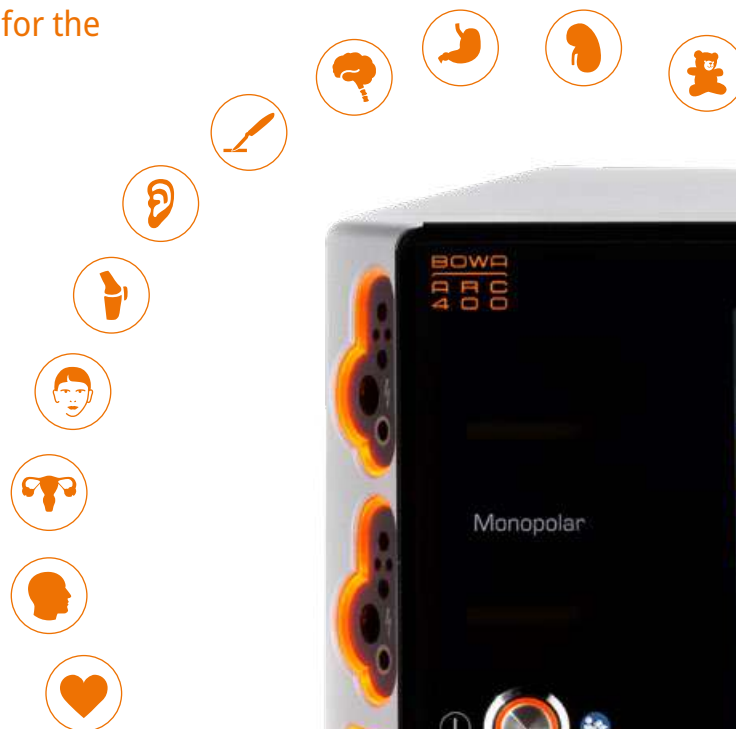
ARC 400

Putting heart and soul into the operating theatre

The best doesn't cut it. You have to look beyond to discover new insights and new solutions.

Discover the new generation of electrosurgical devices with the ARC 400.
Discover true passion and ultimate performance for the operating theatre.

Ideal areas of application for the
ARC 400 in HF surgery



Individual set-up

Each discipline comes with specific requirements, each team works differently, each procedure is individual.

- User interface can be easily configured to your requirements with the interactive touchpad
- Depending on the indication, select the pre-configured standard values or create an individual favourite setting for your specific discipline and working style

Touchpad technology for more intuition in the operating theatre

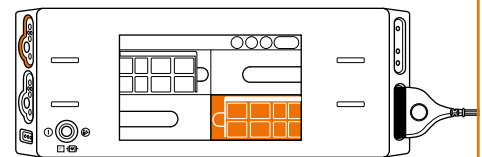
With the ARC 400, you can control all device functions at the touch of a finger via the interactive touchpad using clearly arranged icons.



Intuitive operation

Get an overview – in any situation

- Clear instrument assignment
- Plug'n Cut COMFORT automatically preselects the correct basic settings of connected COMFORT instruments



Each assigned socket is clearly allocated to a quadrant of the display



Efficient performance

Save valuable operating theatre time through simple operation

- Special LIGATION function
- Up to 5 instruments simultaneously on the ARC 400
- Fast communication with other system components and simple software updates using USB and several standard ports



The COMFORT SYSTEM

Process reliability, quality assurance, monitoring –
the COMFORT SYSTEM documents its use directly in the instrument

Smart RFID technology

The ARC 400 or the COMFORT BOX read out the information. You can see at a glance how many times the instrument has already been used and how often it may still be used. This prevents users from exceeding the maximum number of uses. In addition, the system simplifies repeat orders by displaying the order information.

Maximum efficiency with reduced operating theatre time

The Plug'n Cut functionality of the COMFORT SYSTEM means the generator automatically recognises the instrument and checks and selects the correct device settings. The Plug'n Cut COMFORT function avoids incorrect settings.



Individual set-up

You can save numerous personal favourite settings and call them up from the favourites menu at the touch of a finger.

Select your favourite

300 device settings can be saved.



At the touch of a finger: Quickly create and call up favourites

Directly in your specific application

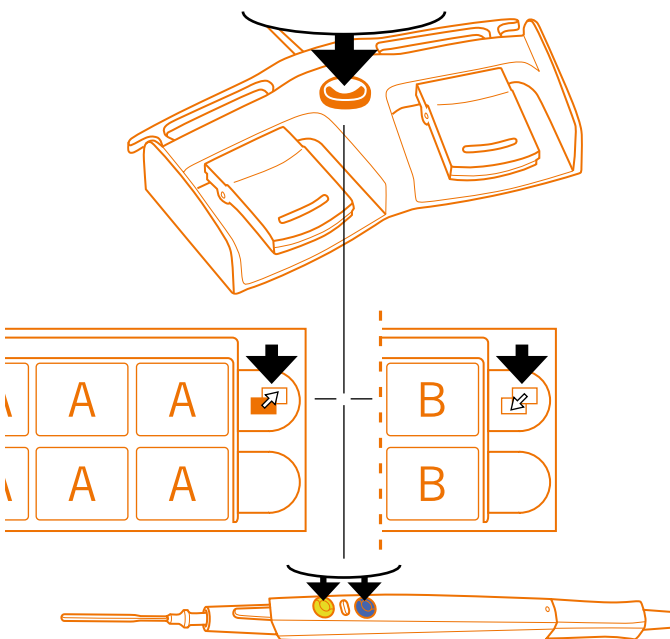
The ARC 400 offers a wide range of standard electrosurgical and indication-oriented current types enabling the surgical team to operate efficiently.



Experts work together: Use KARL STORZ OR1™ to set the power, the current type and the activation type

ZAP mode – changing programs by hand or foot

Surgeons benefit from simple operation using the foot switch or the buttons on the electrode handle to choose between two presets during the operation without the need for non-sterile personnel.



Applications

Top quality monopolar and bipolar electrosurgery



For example, MetraLOOP & ARC 400 for fast, safe and precise surgery

The ARC 400 offers a special function for gynaecology with the MetraLOOP mode. The mode is used for laparoscopic supracervical removal of the uterus (LSH). In conjunction with the BOWA MEDICAL MetraLOOP, it is possible to quickly transect the uterus. This means you can work safely, quickly and precisely – even with large loops.



Gynaecology applications:

- Hysterectomy – open and vaginal, laparoscopic hysterectomy
- TLH: Total laparoscopic hysterectomy
- LASH: Laparoscopic supracervical hysterectomy
- Mastectomy



Surgery applications:

- Colectomy
- Gastrectomy
- Liver resection
- Thyroidectomy
- Lobectomy
- Cholecystectomy



For example, ARC 400 and ERGOact/ERGOeco – the perfect system for laparoscopy

ARC 400 together with ERGOact or ERGOeco are the perfect system for the special requirements of laparoscopic procedures. ERGOact/ERGOeco can be used for all laparoscopic operations

in gynaecology, urology, general and visceral surgery. For bariatric surgery, the laparoscopic instrument is also available with a working length of 460 mm.

Urology applications:

- Prostatectomy
- Cystectomy
- Nephrectomy



For example, BiZZER and Plug'n Cut COMFORT for maximum operating comfort

The BiZZER COMFORT version features integrated RFID technology for communication with the ARC 400 with Plug'n Cut COMFORT instrument recognition. Instrument recognition and preselection of the device settings are automatically available immediately after connecting the instru-

ment. Plug'n Cut COMFORT combines maximum ease of use with excellent application safety – inefficient or even hazardous settings are avoided from the outset. In addition, BiZZER COMFORT enables consistent monitoring of the usage cycles on the ARC 400.



Special applications

Four of many

Bipolar resection* for urology

- Extremely reliable incision behaviour and high resection speed
- Avoiding the danger of a TUR syndrome by using saline solution as the medium
- Monopolar transurethral prostate resections (TUR-P), surgical treatment of bladder tumors (TUR-BT), vaporisation of prostate tissue (TUR-VAP)

*option



Resection CUT



Resection COAG

Quadruple specialisation: Functions for cardiac surgery

Four highly specialised functions for effective performance



Monopolar SimCOAG for simultaneous coagulation and preparation with two monopolar handles



Cardiac Thorax for forced coagulations during the opening of the thorax



Cardiac Mammaria for forced coagulation in the area of the mammary



Dry cut with strong haemostasis

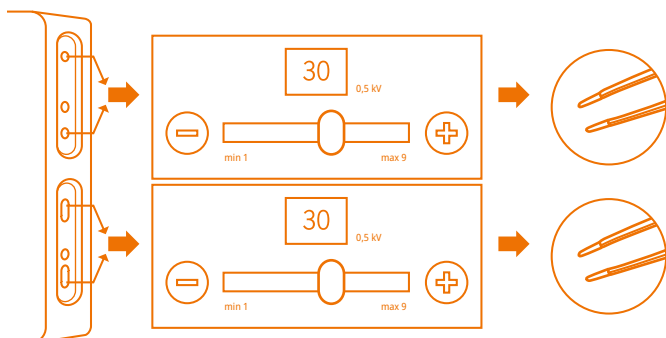
Simultaneous operation

In contrast to conventional generators, two bipolar instruments can now be activated simultaneously:

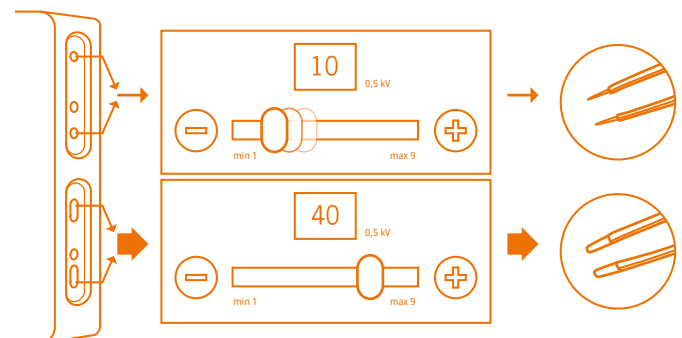
- Uninterruptible
- Individual parameters
- Precise and safe



SimCoag for ARC 400



- Simultaneous instrument activation
- Individual power output



- Individual settings
- Individual power output

For gynaecology: faster hysterectomy

- Modes for vessel sealing and for monopolar and bipolar resection
 - Special function for laparoscopic supracervical removal of the uterus (LSH)
 - Mode used with the BOWA MetraLOOP, enables a quick transection of the uterus.
- Work safely and precisely – even with large loops

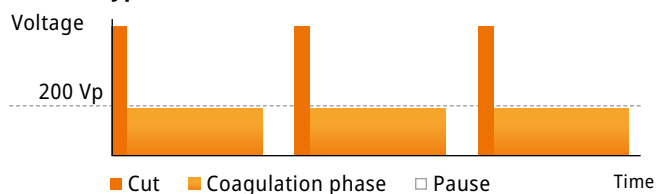


MetraLOOP

GastroCut for gastroenterology

- GastroCut modes offer the best results in polypectomy, papillotomy and endoscopic resections with loops or knife electrodes
 - Series of cutting and coagulation current pulses in three variable speeds “**slow**”, “**medium**” and “**fast**” adapted to requirements
 - Coagulation effect of the cut is controlled across nine levels
- Allows careful work so as to avoid complications where necessary as well as fast work where possible, depending on the situation

Current type GastroCut



Argon workstation

for argon plasma coagulation (APC)
and argon-assisted electrosurgery



Easy handling

Safe argon ignition > 10 mm

Effective haemostasis

Non-contact and large-area

Interdisciplinary use

with rigid and flexible probes

Optimised flow properties for
excellent ignition

Argon-assisted cutting

Homogeneous tissue effects

ARGON COAG and CUT

for argon-assisted cutting and coagulation in open and laparoscopic applications in surgery and gynaecology

- Abdominal surgery
- Laparoscopy
- Liver surgery
- Breast surgery
- Visceral surgery



Argon CUT



Argon COAG

Benefits of argon-assisted electrosurgery in surgery and gynaecology

- Non-contact coagulation
- Fast superficial coagulation of large areas
- Ignition distance >10 mm

Argon FLEX / Argon PULSED

for applications in internal medicine with flexible probes



Argon FLEX



Argon PULSED
with fine control over several effect levels

Benefits of argon-assisted electrosurgery in internal medicine

- Minimal risk of perforation due to reproducible dosing via power and pulse sequence
- Especially fine coagulation from 1 W in gastroenterology
- Low odour due to reduction of surgical smoke
- Flexible coagulation zone
- Very easy handling due to large ignition distance > 10 mm
- Minimal argon flow rates of 0.4 l/min
- Limited penetration depth

ARC CART & argon workstation

provides a highly mobile argon workstation
with useful detailed solutions

Benefits of argon-assisted electrosurgery in surgery and gynaecology

- Non-contact coagulation in parenchymal tissues, e.g. liver
- Rapid coagulation of large surfaces
- Flexible, homogeneous coagulation zone
- Controlled handling due to large ignition distance > 10 mm

ARGON COAG and CUT

for argon-assisted cutting and coagulation in open and laparoscopic applications in surgery and gynaecology:

- Abdominal surgery
- Laparoscopy
- Liver surgery
- Mammary surgery
- Visceral surgery



SHE SHA filters
surgical smoke with
an efficiency of
99.999 %



SHE SHA smoke evacuation system

- Combination option for open surgery applications
- Combats the health hazards posed by surgical smoke gases. For clean air in the operating theatre



Recommended basic accessories



ARC CART

Equipment trolley

REF 902-054

Foot switch

Twin-pedal foot switch
with clip

REF 901-032

Single-pedal foot switch

REF 901-011



SHE SHA

SHE SHA smoke evacuation system

REF 950-001

SHE SHA filter

REF 951-001

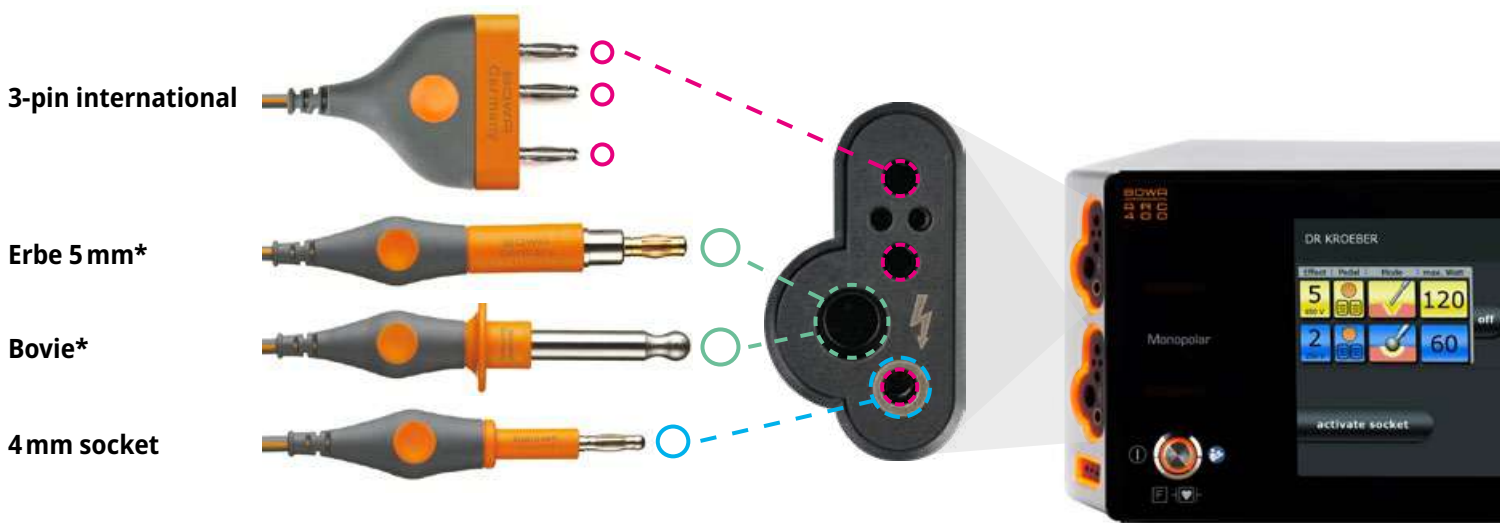
SHE SHA smoke handle

REF 802-033

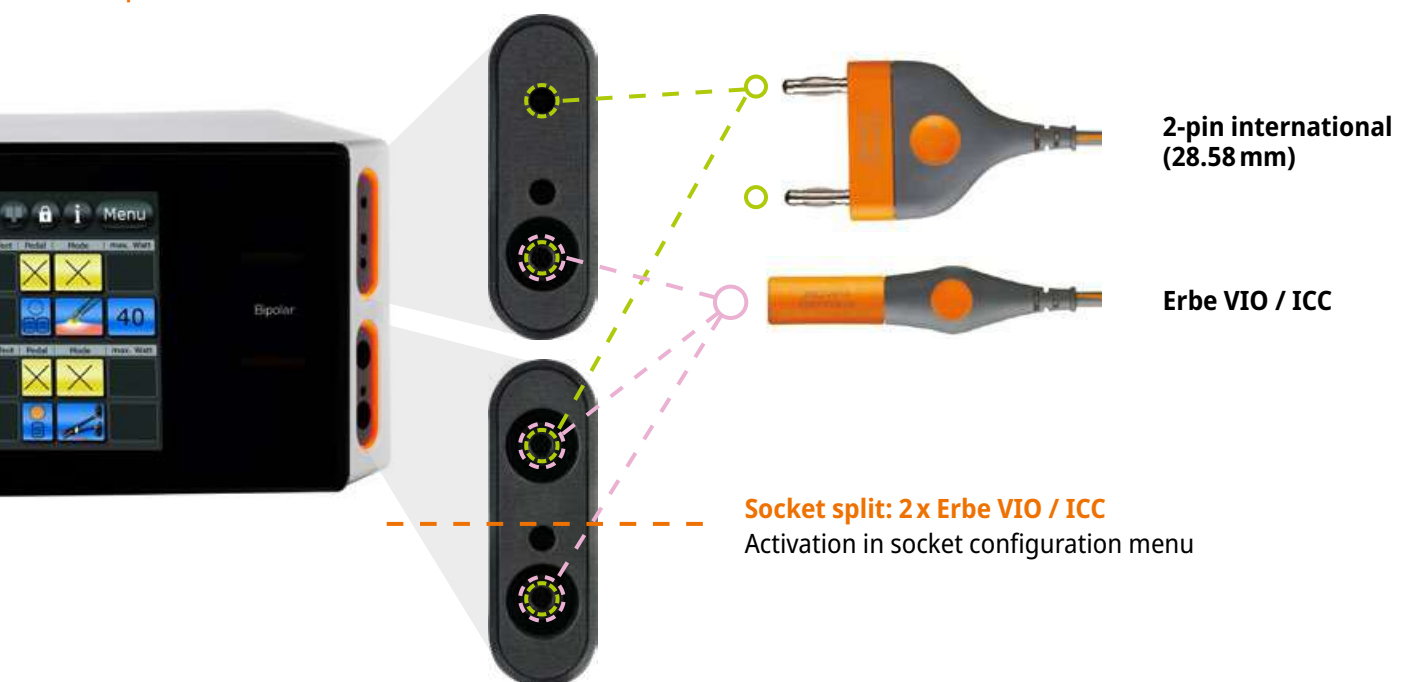


Sockets for instruments

Monopolar sockets



Bipolar sockets



We are there for you. ✓ Global service network



Repairs

Fast service in case of technical problems



Service packages

Adapted to your individual requirements



Training

Medical technician training at the BOWA Service Centre



Devices on loan

Loan devices during repair or service



Disposal

Sustainable disposal of waste equipment

For more information:
www.bowa-service.com

TECHNICAL DETAILS

Type of insulation / classification	
Protection class according to EN 60601-1	I
Type of applied part (EN 60601-1)	CF
CE in accordance with 2017 / 745 EU (MDR)	CE 0123

Key data	
Max. MONOPOLAR power	400 W (at 200 Ω)
Max. BIPOLAR power*	400 W (at 75 Ω)
Output frequency	350 kHz

Mains input	220–240 V / 100–127 V
Min. power input	3 W / 40 VA
Max. power input (at 400 W)	700 W / 1150 VA
Mains frequency	50 / 60 Hz
Mains current	max. 5 A @ 230 V max. 8 A @ 127 V max. 10 A @ 100 V
Line fuse	2 x T5 AH 250 V

Dimensions:	Weight:
430 x 180 x 475 mm	12.5 kg (net)

* depending on the configuration

Top quality monopolar and bipolar electrosurgery with sealing technology

Contact your authorised BOWA medical devices consultant now.

support@bowa-medical.com



BOWA
A C A D E M Y

EXPERTISE ensures SAFETY

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certificate



Checklist on HF surgery



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