

**BOWA**  
**ARC**

INTUITIVE.  
ADAPTIVE.  
**INNOVATIVE.**



reddot winner 2020



**The new ARC generation**  
A systematic approach to electrosurgery

# ARC and ERGOact

## Unique in their class

### The new ARC generation

#### The innovative HF surgery system



#### Dialogue-guided operating concept

Performance at the touch of a finger for optimum overview in the operating theatre. All important information can be read at a glance from the touchscreen.



#### User-oriented

Direct display of all plugged in instruments in the adaptive display. COMFORT function for automatic instrument recognition and monitoring of the usage cycles.

ARC Type II with ERGOact



#### Individually configurable

Preconfigured default values and indication-oriented setting options can be selected quickly and easily.

#### Instrument tips

Depending on the indication, there is a choice of different tip inserts.



#### Economic

The socket configuration can be selected to fit your needs. In total, there are 5 different configurations to meet the various surgical requirements.



#### Highlight PREPARATION MODES:

An extension to the range of coagulations modes. DISSECT for p...



#### NEW: DISSECT

Effective haemostasis. Rapid coagulation with distinct dissection effect.



#### FORCED MIX

Medium haemostasis. Rapid coagulation with balanced dissection effect.



# ERGOact

## The future is in your hands

In the operating theatre, your hands are the most important and effective tool. With ERGOact, the first manually activated bipolar coagulation instrument, you operate **without** a foot switch for the first time in this instrument class.

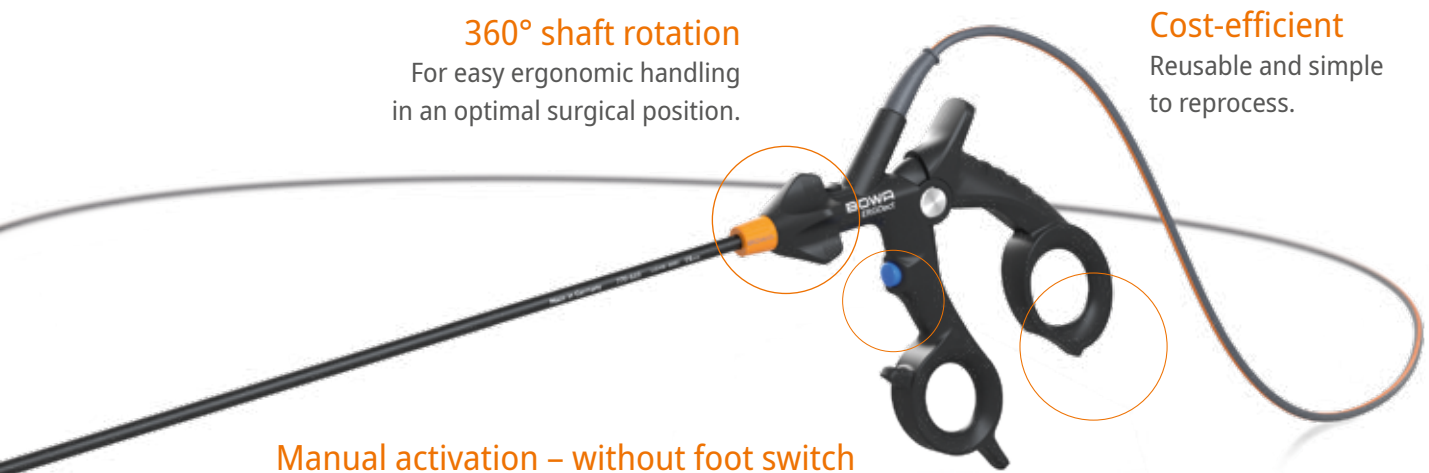
### For more safety, control and comfort

#### 360° shaft rotation

For easy ergonomic handling in an optimal surgical position.

#### Cost-efficient

Reusable and simple to reprocess.



#### Manual activation – without foot switch

Full concentration on the surgical work **without searching for the foot switch** thanks to manual activation via the blue button. Safe, ergonomic stance for the surgeon.

#### Ergonomic operation

Effective control and better handling with manual activation.

**Comfortable for all hand sizes.**

precise dissection.



#### **FORCED**

Coagulation with tissue contact. Rapid coagulation with reduced dissection effect.



# Safe processes in the operating theatre

## Everything in view at all times

### ARC makes users' lives easier:

- The new ARC generation is suitable for all surgical applications.
- The adaptive presentation on the display provides a quick overview.
- The device recognises the instrument plugged in and when used with Comfort cables, automatically selects the appropriate settings.
- The indication-specific programmes can be stored.

### Intuitive operation:

- Customised settings are quickly accessible.
- Simple user guidance via the familiar touch control.

## Adaptive user interface

**With the adaptive display, you only see the key information displayed.**

This prevents incorrect settings and allows you to fully concentrate on your work in the operating theatre. For optimum overview and high patient safety.

**Simply plug in the instrument(s) and start.**



ARC type I



ARC type V



ARC type III



**WIZARD for user guidance:**  
Obtain the power setting easily in three steps.



**1** Selection of instrument



**2** Selection of electrode



**3** Power setting for the intended application

ARC type V



**Intuitive HIGHLIGHT – WIZARD for user guidance**

The dialogue-guided ARC operating concept avoids incorrect settings. Effects, modes and individual setting options can be selected and adjusted simply at the touch of a finger.



**Adaptive display with dialogue-guided configuration**

The display changes automatically depending on the number of instruments. For optimum legibility and clarity in the operating theatre.



**Individually storable configurations**

Personal application settings or application modes can be saved and easily retrieved at any time.



## ARC and ERGOact for laparoscopy

The perfect system, tailored  
to your requirements for  
laparoscopic procedures.



Kelly



Maryland



Fenestrated



### BUNDLES for LAPAROSCOPY



#### GYNAECOLOGY

For laparoscopic indications such as supracervical hysterectomy, total hysterectomy, endometriosis.

- ARC generator
- ERGOact
- MetraLoop
- Monopolar hooks
- Bipolar scissors
- Neutral electrodes



#### GENERAL/UROLOGY

For indications such as Roux-en-Y gastric bypass, appendectomy, sigmoid resection, cholecystectomy and for urology.

- ARC generator
- ERGOact
- Monopolar hooks
- Bipolar scissors
- Neutral electrodes



## ARC and instruments for open surgery

Exemplary configuration for the combination of HF generator and instruments for open surgery.



### Standard handles with electrodes

Reusable or disposable handles available.



### Bipolar scissors

Such as Metzenbaum, Mayo and Stevens



### Bipolar forceps

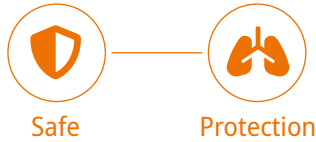
Straight, angled and bayonet versions

## BOWA MEDICAL – added benefit of a systematic approach

As a company specialising in energy-based surgery, we offer complete systems for HF surgery and supplementary individual products.

# ARC and SHE SHA

## Smoke evacuation system



ARC TYPE II  
HF generator



Can be combined with  
BOWA MEDICAL SHE SHA  
smoke evacuation system for  
open surgical applications.

Combats the health hazards  
posed by surgical smoke gases.  
**For clean air in the operating  
theatre**  
(99.999% filtration efficiency).



**SHE SHA smoke evacuation system**  
Effective protection against surgical smoke.



We are there for you.

## ✓ Global service network



Guided service dialogue allows independent safety checks (SC)



Software updates via USB



Easy reading of the event log for service purposes



Easy backup of device settings via USB



Standard equipment sufficient for SC

More information:  
[www.bowa-service.com](http://www.bowa-service.com)

# BOWA

A C A D E M Y

Knowledge put in a nutshell.

## ✓ Available online at any time



Quick Guide



e-learning



With test and certificate



Basic information



Product information

More information: [www.bowa-academy.com](http://www.bowa-academy.com)

# HIGHLIGHTS of ARC generators



## Bipolar manual activation with ERGOact

Together with the ARC generator, ERGOact enables the reusable laparoscopic instrument to be activated without a foot switch.



## Dissection modes

Reduced bleeding and separation of the tissue layers with low energy input.



## WIZARD for user guidance

A dialogue-guided configuration wizard helps to create and configure the ARC.



## 5 ZAP modes

5 pre-settings/sub-programmes can be called up from the sterile area. Autonomous, quick adjustment by the operator.



## COMFORT system

Process reliability in the operating theatre thanks to automatic instrument recognition and monitoring of usage cycles.



## ARC CONTROL and CCS

The new processor technology is future-proof and ensures fast control thanks to ARC CONTROL regulation and CCS (CUTControlSystem).



## Other highlights:

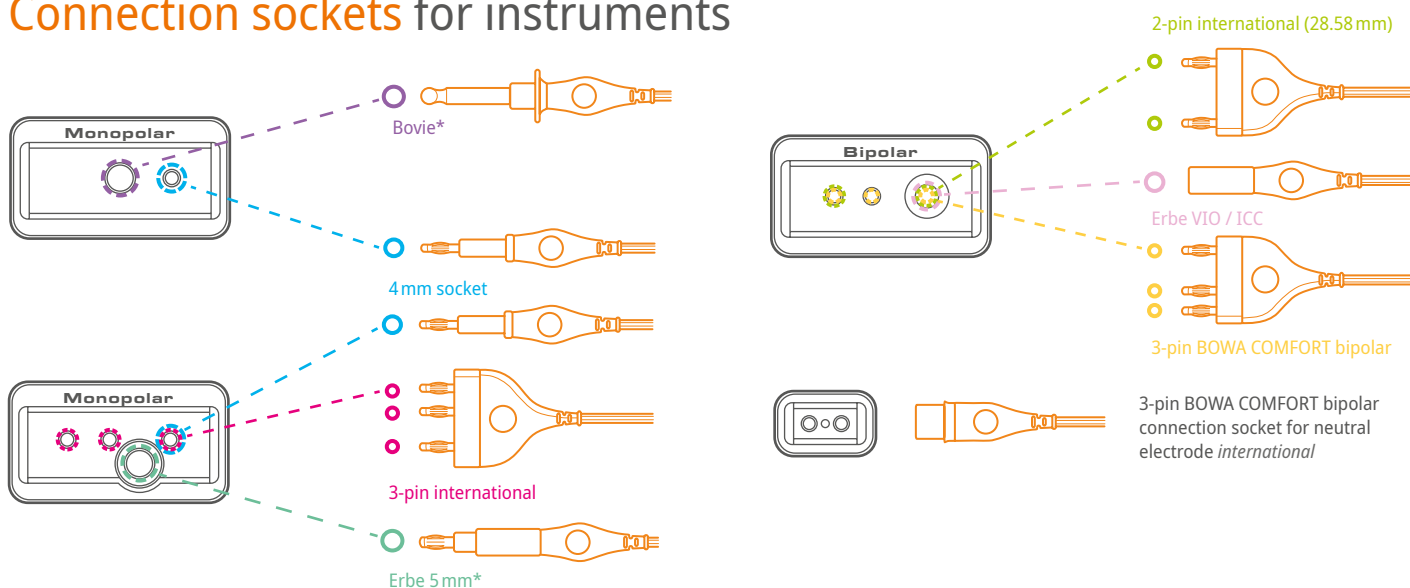
- Programme memory for 300 discipline-specific device settings
- EASY (*neutral electrode monitoring*)
- Adaptive 7" high-resolution colour touch display (1280x800 pixels, 24 bit colour depth, 16.7 million colours)
- 25 system languages
- Auto-start and auto-stop

## TECHNICAL DETAILS

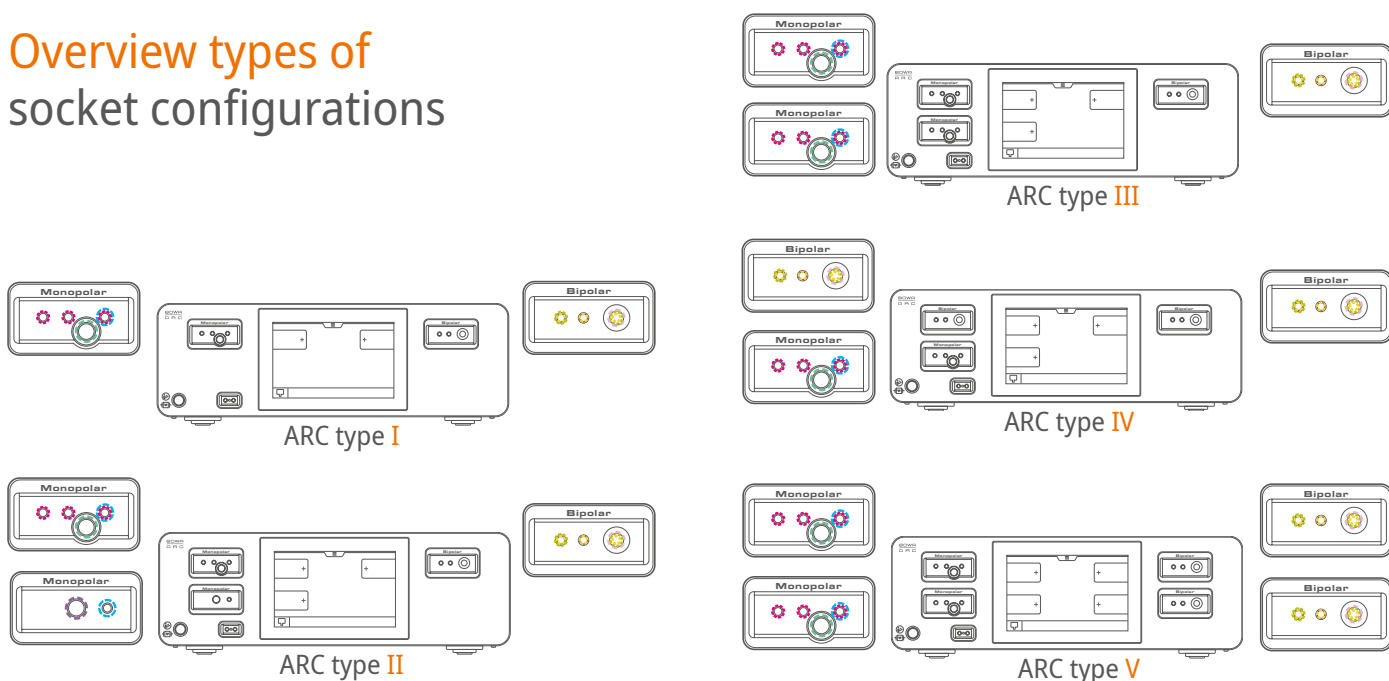
<b>Type of insulation / classification</b>		<b>Mains input</b>		220–240 V / 100–127 V
Protection class according to EN 60601-1	I	Min. power input	min. 3 W / 20 VA	
Type of applied part (EN 60601-1)	CF	Max. power input (at 300 W)	max. 640 W / 1050 VA	
CE according to 2017/745 EU (MDR)	CE 0123	Mains frequency	50/60 Hz	
<b>Key data</b>		Mains current	max. 5 A @ 230 V   max. 7 A @ 127 V   max. 9 A @ 100 V	
Max. MONOPOLAR power	300 W (at 200 Ω)	Power fuse	2 x T 10 AH 250 V	
Max. BIPOLAR power	200 W (at 75 Ω)	<b>Dimensions:</b>	<b>Weight:</b>	
Output frequency	350 KHz	430 x 140 x 470 mm	9.5 kg (net)	

# BOWA ARC a systematic approach to electrosurgery

## Connection sockets for instruments



## Overview types of socket configurations



## Recommended basic accessories

### Foot switch

Double-pedal foot switch  
with bar

Order no.: 901-032

Single-pedal foot switch

Order no.: 901-011



### ARC CART

Equipment trolley

Order no.: 902-050



### SHE SHA

SHE SHA smoke evacuation system

Order no.: 950-001

SHE SHA filter

Order no.: 951-001

SHE SHA smoke handle

Order no.: 802-033





**reddot winner 2020**

## BOWA ARC – Red Dot winner 2020

The latest surgical energy system for HF surgery from BOWA has an impressively compact and flat design and flexible configuration – depending on the desired number of sockets.

Nominated for the  
UX Design Award

**UX**  
**DESIGN**  
**AWARDS**

nominated  
2020

## ARC – ready for the future

Contact your authorised  
BOWA medical device  
consultant now.

[support@bowa-medical.com](mailto:support@bowa-medical.com)

