



ARGON COAGULATION



High Frequency Surgery Units





INNOVATIVE SURGERY

Söring – innovative surgery

Söring, one of the pioneers in ultrasound technology, has been offering innovative solutions for ultrasonic and RF surgery on the international market for more than two decades. Söring not only is the market leader in ultrasound technology but also offers one-of-the-kind solutions for non-contact coagulation. Söring's success hinges on the continuous and uncompromising search for innovative improvement, reliable product quality, the proverbial German thoroughness and the flexibility of adapting to the market requirements by providing tailor-made solutions. Innovative surgery – benefits for you and your patients.

Söring's ARCO units offer the surgeon unique HF surgery solutions. The unit allows Argon Plasma coagulation for non-contact haemostasis and also conventional HF application such as monopolar cutting and coagulation, bipolar cutting and bipolar coagulation.

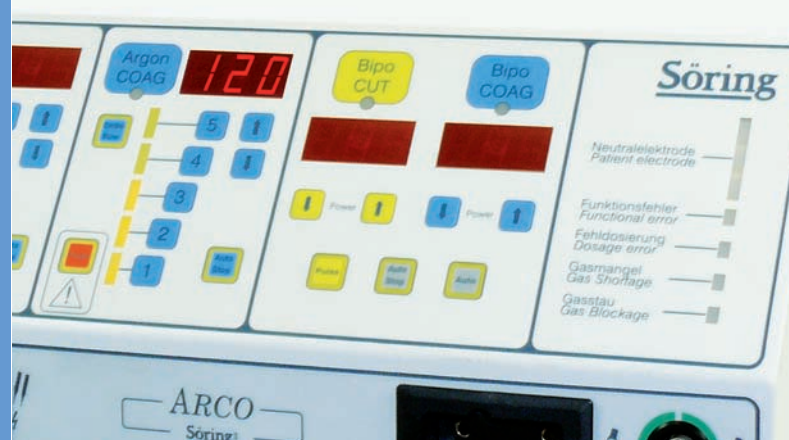
Argon Plasma coagulation has been an established method of thermal haemostasis in open surgery for more than 20 years. Due to the development of special application tips, Argon Plasma coagulation could also be implemented in flexible endoscopy, for example in interventional gastrointestinal endoscopy.

ARGON PLASMA COAGULATION - EFFECTIVE AND RELIABLE



Application range:

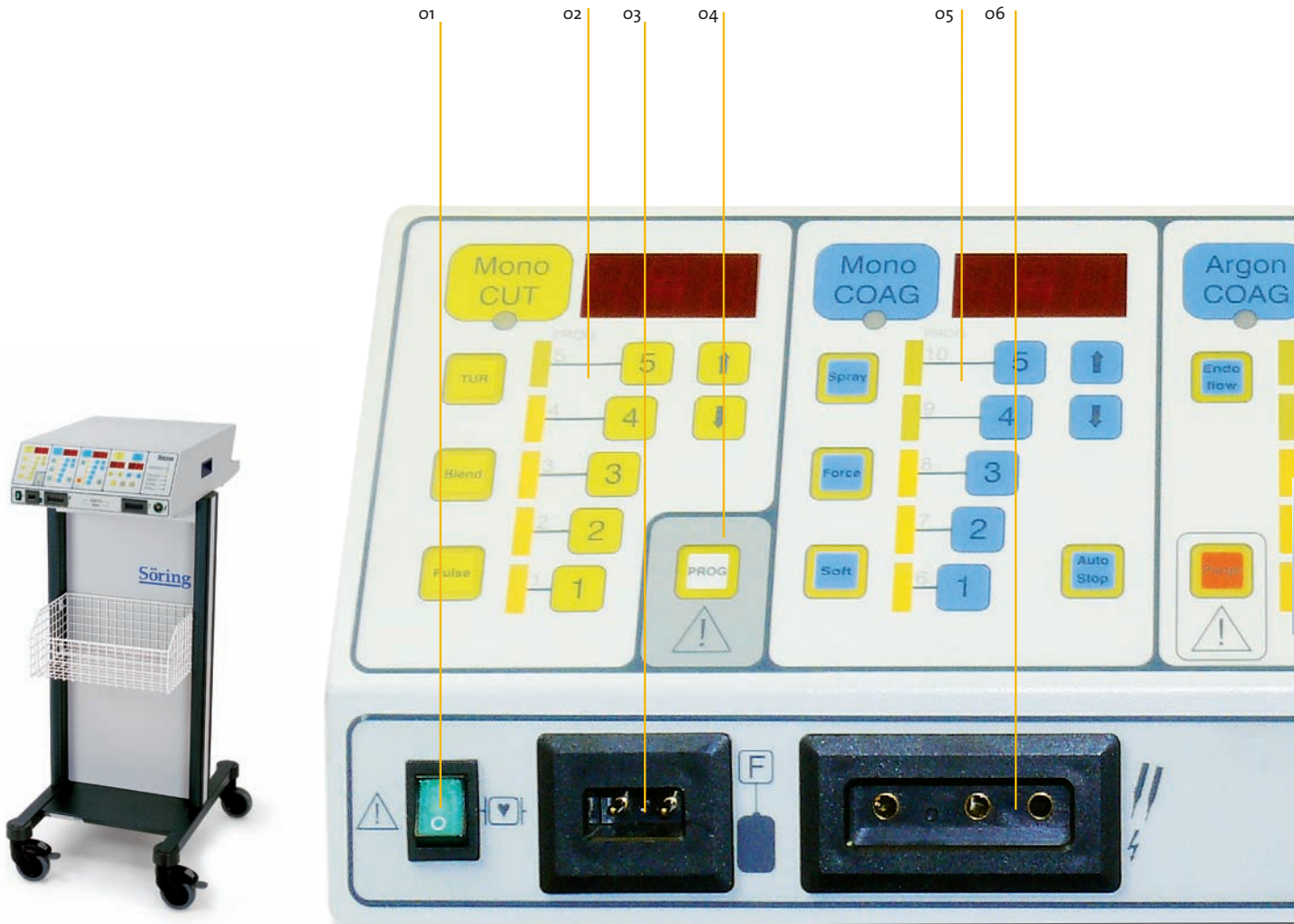
- Endoscopy
- Gynaecology
- Laparoscopy
- Surgery
- Urology
- Neurosurgery



- HF surgery unit with additional Argon gas support for non-contact haemostasis
- Argon coagulation allows for fast and controlled haemostasis without large-scale tissue damage
- No tissue carbonisation

NON-CONTACT COAGULATION METHOD

- Arco 1000: Argon-supported coagulation
- Arco 2000: Monopolar cutting and coagulating
Argon-supported coagulation
- Arco 3000: Monopolar cutting and coagulating
Argon-supported coagulation
Bipolar cutting and coagulating



FUNCTION PRINCIPLE

01 Power switch

04 Key programming mode

07 Operating panel inert gas coagulation

10 Status display panel

02 Operating panel monopolar cutting

05 Operating panel monopolar coagulation

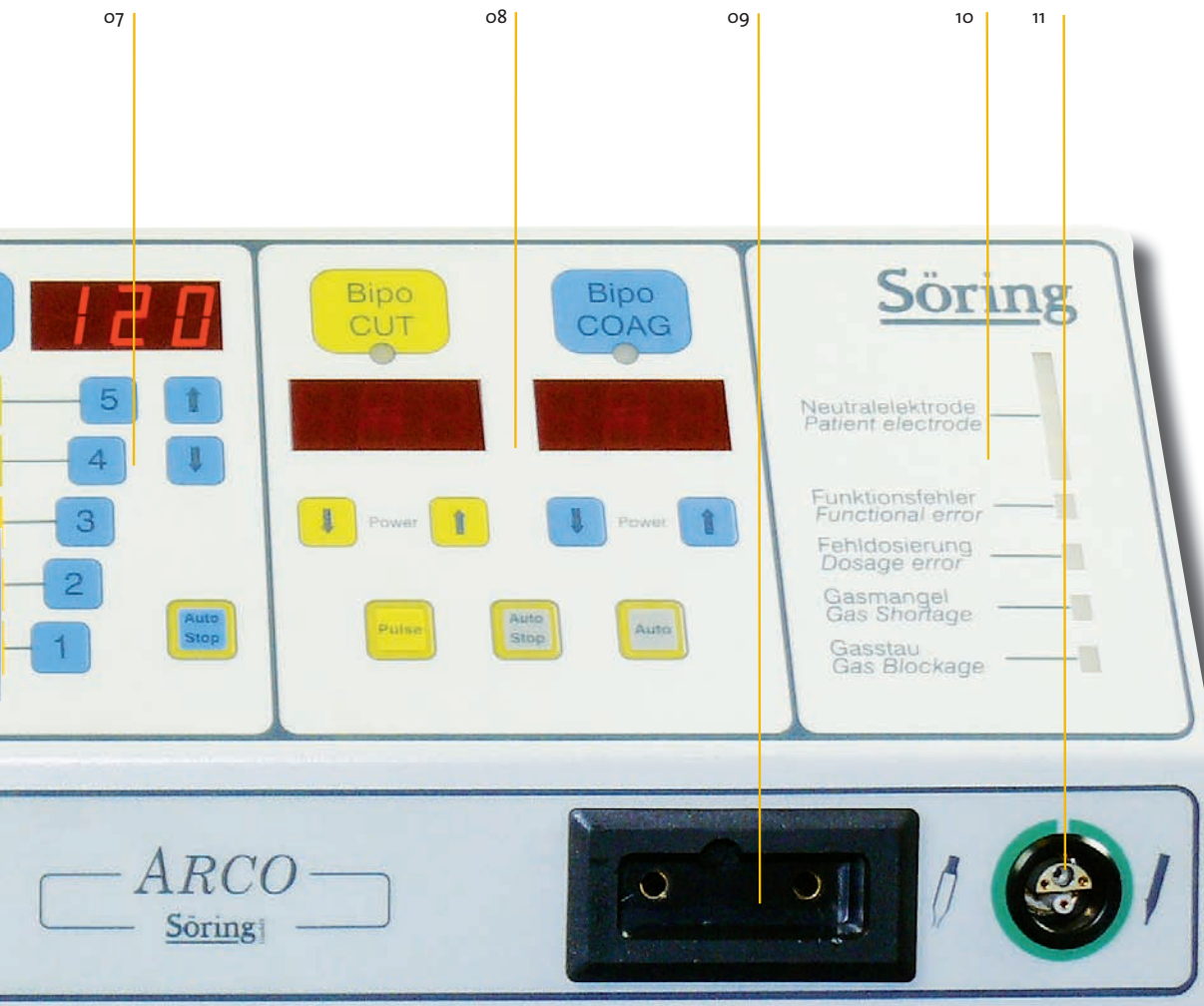
08 Operating panel bipolar cutting and coagulation

11 Connecting socket patient electrode

03 Connecting socket patient electrode

06 Connecting socket monopolar handpiece

09 Connecting socket bipolar handpiece



The HF voltage ionises the exiting Argon gas and directs it to the surface of the patient's tissue.

This causes a non-contact coagulation with a haemostatic effect on the tissue. Application can be easily controlled because the Argon gas shines brightly. A great number of probes and

applicators facilitate work in many ways (refer to the list of accessories for more information).

ACCESSORIES

Multifunction handpiece II, 53-027
Coag mode



Cut mode



Probe adapter for footswitch, 53-029



Probe adapter with fingerswitch, 53-030



Argo-Flex probe, 600K0039



Disposable endo probe, 600K0200



Argo-Troc probe, 600S0076



Argo-Troc probe (30° nozzle), 630S0076



Probe adapter ENT, 53-049



Coagulation probe (gas beam right), 605K0901



Coagulation probe (gas beam left), 605K0903



Bronchoscopy probe, 600K0035



Probe adapter open surgery, 600S0077



For more accessories see the list of accessories

TECHNICAL DATA ARCO-3000

In our production, we use European standards. Our products bear the CE mark.



TECHNICAL DATA

	UNIT	UNIT
MAINS VOLTAGE	230 V ± 10%; 50 Hz ± 5%	
SWITCHABLE TO	115 V ± 10%; 60 Hz ± 5%	
MAINS FUSE	4 Asb (230 V); 8 Asb (115 V); 10 Asb (100 V)	V
POWER CONSUMPTION	1000	VA
CLASSIFICATION (AS PER MDD)	2b	
PROTECTION CLASS (AS PER EN 60601-1)	I	
RECOMMENDED GAS	ARGON 99.99 %	
APPLIED STANDARDS	EN 60601-1; EN 60601-2-2	
UNIT DIMENSIONS	w x h x d: 430 x 150 x 560	mm
UNIT WEIGHT ARCO 1000	21.0	kg
UNIT WEIGHT ARCO 2000	22.0	kg
UNIT WEIGHT ARCO 3000	23.0	kg
TROLLEY DIMENSIONS	w x h x d: 500 x 1080 x 695	mm
TROLLEY WEIGHT	27.5	kg

PERFORMANCE DATA

	MAX. POWER OUTPUT	MAX. OUTPUT VOLTAGE
MONOPOLAR CUTTING	320 W/200 Ω	1320 V _{pp}
TUR	350 W/200 Ω	1320 V _{pp}
TUR-PULSE	50 W/200 Ω	1320 V _{pp}
BLEND (POWER BLEND)	250 W/200 Ω	1320 V _{pp}
PULSE	40 W/200 Ω	1320 V _{pp}
MONOPOLAR COAGULATION		
SOFT	100 W/200 Ω	680 V _{pp}
FORCE (HI FORCE)	120 W/200 Ω	1320 V _{pp}
SPRAY	120 W/200 Ω	9.000 V / 5.800 V
ARGON COAGULATION	120 W/200 Ω	9.000 V / 5.800 V
BIPOLAR CUTTING (BIPO PULSE)	130 W/200 Ω	760 V _{pp}
BIPOLAR COAGULATION	100 W/200 Ω	460 V _{pp}

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TECHNOLOGY

ultrasonic dissection

cold plasma coagulation

electrosurgery

electrosurgery with inert gas



INNOVATIVE SURGERY



AREAS OF APPLICATION

neurosurgery

general surgery

minimally invasive surgery

plastic surgery

wound treatment

STAMP