

***STERNMED***<sup>®</sup>



## ARON 400S

Argon coagulation unit



[www.sternmed.de](http://www.sternmed.de)



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### Argon coagulation unit

ARON 400S is a module that can be connected with a compatible electro-surgical unit specific for coagulation electro-surgical procedures with Argon gas, indicated for both open surgery and laparoscopy.

ARON 400S is realized so that the connection to an electro-surgical unit with compatible characteristics to the Argon procedures, allows the erogation both through a manual activation and foot activation.

The connection to ARON 400S does not preclude the use of other functions of the electro-surgical units, in fact, in case of use of the compatible units, the erogation of the Argon gas occurs only in case of erogation of current of high-frequency coagulation (SPRAY).

## FEATURES

- Peritoneal pressure inspection system
- Gas flow control system
- Argon tank indication and control system
- Argon handset gas supply receptacle
- Radio frequency (RF) input receptacle
- Argon handset receptacle
- Activation through the handle or the foot-switch
- Specific function for laparoscopy
- Automatic function for compatible units
- Manual function for connection with units of other brands

The ARONron 400S argon coagulation unit can be connected with STERNMED ECUT 400S PLUS electrosurgical unit, is designed to provide controllable argon flow over the active electrode. With the help of ARON 400S, the surgeons can expect:

- Non-contact procedure, no sticking of the instrument tip to the tissue
- Effective surface coagulation and homeostasis
- Controllable penetration depth
- Extremely low risk of perforation
- Low level of carbonization and smoke, very little pollution and odor
- Few complications

## FUNCTIONS ON THE CONTROL PANEL

- Overpressure system
- System purge control
- Gas flow control
- Gas tank indicates and control
- Receptacles for gas line, RF input, peritoneal pressure tubing and handset

## FUNCTIONS ON THE CONTROL PANEL

In case of the following errors, the audio and visual alarm is active:

- Handset tubing obstruction
- Overpressure of gas flow, especially in laparoscopic operations
- Peritoneal pressure tubing obstruction

## AUTOMATIC GAS TANK SWITCH

The system is able to switch to backup gas tank automatically in case the pressure of working gas tank drops below threshold without interruption of gas flow in handset.



## TECHNICAL SPECIFICATIONS

### ARON 400S | SternMed Argon coagulation unit

#### GENERAL

Selectable input voltage	90-240 Vac
Mains frequency	50 - 60 Hz
Electrical input power	70 VA
Dimensions	470x150x400 WxHxD mm
Weight	8 Kgs

#### CONTROLS

Control pPower outputs	Overpressure system System purge control Gas flow control Gas tank indicates and control Receptacles for gas line, RF input, peritoneal pressure tubing and handset
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#### POWER OUTPUTS

Flow regulation	0.2 - 10 LPM
Maximum inlet pressure	3.0 bar (43,5psi)

#### CLASSIFICATION

Safety	EN60601-1 EN60601-1-2 EN60601-2-2
Electrical Class	I CF
MDD 93/42/EC Class	II b

#### ACCESSORIES

Standard accessories	Power supply cable EU 5m ARON 400S Pressure reducer connection ARON 400S RF cable connection ARON 400S BNC cable connection Handpiece for argon electrodes reusable cable 3.5m Argon coagulation electrode 150 mm d.4 mm
Optional accessories	Power supply cable EU 2m Power supply cable US 2m Power supply cable UK 2m Argon coagulation electrode 75 mm d.4 mm Argon coagulation electrode 370 mm d.4 mm Reusable connecting cable for flexible Argon probe 2.5 m Flexible Argon probe 1.5m d. 1.5mm Flexible Argon probe 3m d. 1.5mm Flexible Argon probe 1m d. 2.3mm Flexible Argon probe 2.2m d. 2.3mm Flexible Argon probe 3m d. 2.3mm Flexible Argon probe 2.2m d. 3.2mm Single water-proof foot switch (3 pins) Trolley 5 shelves wide Cylinder-holder Drawer for trolley type



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