

Grazedean Ltd

ARC PLUS - ARGON UNIT for BOWA HF GENERATORS



AND ARC CART

Completing your work station

ARC PLUS - ARGON UNIT



With the ARC PLUS argon module and accessories arcs can be generated at **less than 10 watts**, reducing the risks in fine tissue areas.

Bronchoscopy	Argon Flex
Gastroenterology	Argon Flex, GastroCUT (Polypectomy, Papillotomy)
General surgery	Argon Ligation, Argon Open, Ligation, Standard
Liver Surgery	Argon open, Argon ligation

Disposable argon flexible probes are available as well as the standard reusable. Enhanced design ensures consistent ARC generation at low wattages is achieved. More information is available - for a full catalogue please contact us.



Argon flexible probes are available for BOWA and other manufacturers machines in lengths from 1.5m to 3m long and 1.5 - 3.2mm Ø available. The rounded ceramic tip gives excellent feeding properties into a working channel and long life. Argon rigid hand control probes are available with needles or blades in various lengths, Long life is achieved using with ceramic inserts.



Technical specification for ARC PLUS

BOWAARC PLUS can be used in all areas of HF surgery in combination with all ARC generators. It can be located both on ceiling supply units and also on a mobile ARC CART. The communications interface provided continuously monitors the interaction with the ARC generator. The unit complies with the currently required applicable standards and can be maintained by the hospital technician himself without special measuring equipment. Fault memories can be read out without difficulty. The technician can update software simply by changing a board and subsequently calibrating the unit.

Gas supply	
Gas type Argon Purity 4.8 or better	Class 2.1 A
Adjustment range 0,1 to 1,0 l/min	Adjustment step 0,1 l/min
Adjustment range 1,0 to 3,0 l/min	Adjustment step 0,2 l/min
Adjustment range 3,0 to 9,5 l/min	Adjustment step 0,5 l/min
Gas input pressure between	2,5 and 4,5 bar
Max. gas output pressure	2 bar

Two gas tank connections, automatic or manual changeover of gas tanks and optical level indicator

PURGE rinsing function with electrode dependent gas pressure control

Safety devices

Continuous flow monitoring, fault indication with display of error number, hose blockage detection, continuous self-test, warning tone, continuous pressure monitoring at distal end

Documentation

Recording of fault conditions and operator errors by storing within the unit

Data recall facility

External outputs

Optical interface for communication with ARC HF Surgery Generators

Mains connection	
Power consumption	40 VA
Mains frequency	50 / 60 Hz
Equipotential bonding connector	Yes
Voltage range	85 bis 264 V A.C.

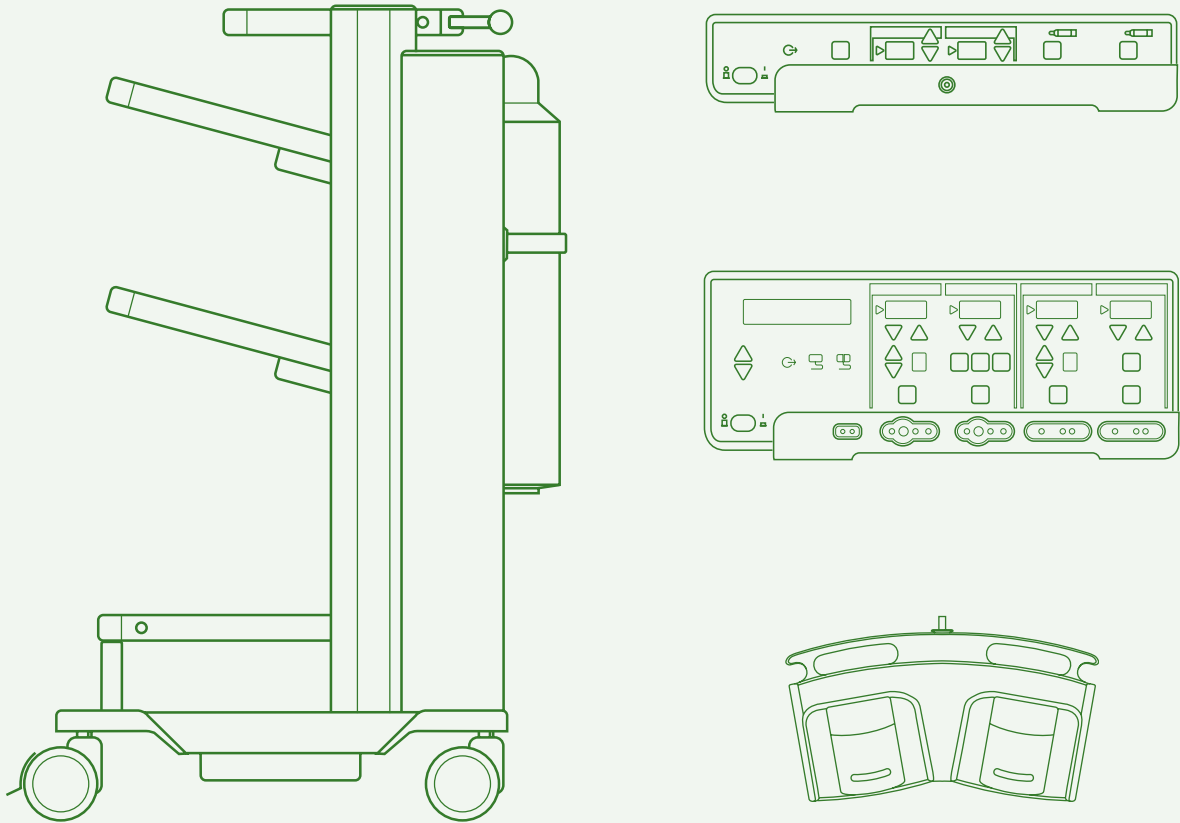
Dimensions and weights	
External dimensions (W x H x D)	430 x 94 x 400 mm
Net weight ca.	7,3 kg
Protection class to EN 60601-1	I
Type according to EN 60601-1	CF in conjunction with ARC HF Generators
Classification according to EC Directive 93/42/EEC	Class IIa

ARC CART

The ARC HF generators and ARC PLUS are often combined to form an unbeatable all-in-one package, which can be conveniently located on the BOWA ARC CART or on ceiling supply units.

The ARC CART can be configured individually, e.g. shelves, drawer, basket, gas tank holder.

The whole range of foot switches has ergonomically arranged pedals.



Also available tissue sealing devices and smoke evacuation.



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