

APOLLO[®]

Smart Retractor For Open Access

01

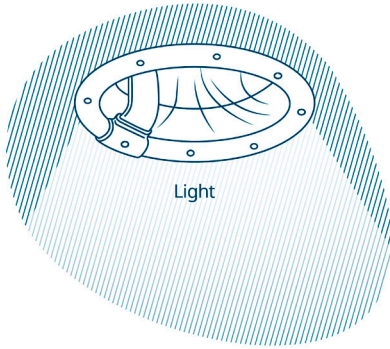
CONCEPT

APOLLO – smart retractor for open access is an easy-to-use medical device for laparotomy and can be used in general surgery, urology, gynecology, and thoracic surgery.

It includes essential safety features and unique advantages. APOLLO enables targeted illumination of the entire cavity and furthermore, it offers effective surgical smoke evacuation.

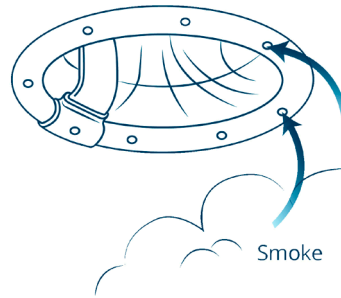


02 FEATURES



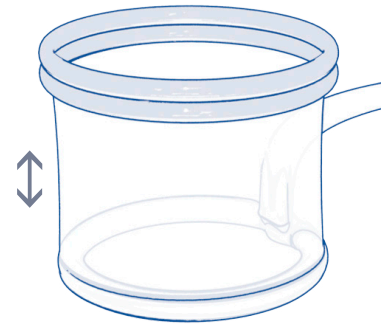
1 Ambient Light

It provides strong and wide illumination of the operation field.



2 Smoke Evacuation

Ensures safe and efficient surgical smoke evacuation, offers a clear view of the operating field, and also protects healthcare staff from pollutant particles in the operating room.



3 Adjustable Height

The Wound Protection Film can be adjusted to the abdominal wall thickness.



03

COMPONENTS & FUNCTIONS

RETRACTOR RING

extracorporeal part for fixing and adjusting the optimal height

WOUND PROTECTION FILM

resistant and adjustable protection film for any thickness of the abdominal wall

INNER RING

the intracorporeal part contains LEDs for abdominal area illumination and apertures for smoke evacuation

SMART TUBING

connects the Inner Ring to the Controller Unit

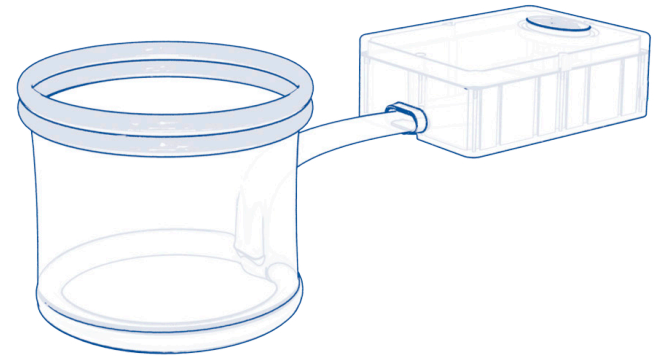
includes the power line for LEDs as well as two chambers for smoke evacuation

CONTROLLER UNIT

contains the power supply for LEDs, two light switches for the Ambient Light, and the connection valve for smoke evacuation, depending on the version it also contains disposable batteries or a connector for the BIOCUBE wire

SMOKE EVACUATION VALVE

easy connection to any suction pump



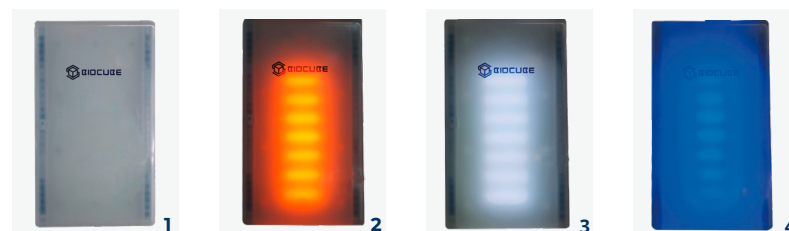
04 ENVIRONMENTAL FACTOR

Since it is unavoidable to provide you with APOLLO as a single-use device, we engaged to find a sustainable solution for an environmental-friendly power supply.

So you can operate all AFS MEDICAL products with our rechargeable BIOCUBE external battery.

BIOCUBE

- external rechargeable battery
- provides power for at least 4 hours
- fully charged in 3 hours
- smart readout through colored indication
- durability of 500 charging cycles
- compatible with all AFS MEDICAL products
- connected with a 3.5 meter long single-use wire to the controller unit



1 0% - no power

2 1-50 % - orange light

3 50-95 % - white light

4 95-100 % - blue light

05 ORDER INFORMATION

APOLLO smart retractor for open access

product code	size	incision size	retractor ring diameter	inner ring diameter	battery type	selling unit
AB1XS	x-small	up to 3 cm	9 cm	6 cm	integrated disposable batteries	4 units per box
AB1S	small	up to 5 cm	9 cm	9 cm		
AB1M	medium	up to 9 cm	12 cm	12 cm		
AB2XS	x-small	up to 3 cm	9 cm	6 cm	for use with BIOCUBE	
AB2S	small	up to 5 cm	9 cm	9 cm		
AB2M	medium	up to 9 cm	12 cm	12 cm		
AB2L	large	up to 18 cm	20 cm	20 cm		
AB2LL	x-large	up to 22 cm	24 cm	24 cm		

BIOCUBE external battery kit

product code	name	type	selling unit
EB01	BIOCUBE 1.0	rechargeable battery	1 unit

Manufacturer

AFS MEDICAL Co., Ltd.
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Authorized EU-Representative

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WE ARE REDEFINING THE WORLD OF SURGICAL ACCESS

Our thorough understanding of surgical techniques and challenges allows for smart engineering, superior product functionality and noble design combined with artificial intelligence – **innovation beyond imagination.**

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