

SMOKE EVACUATION SYSTEM

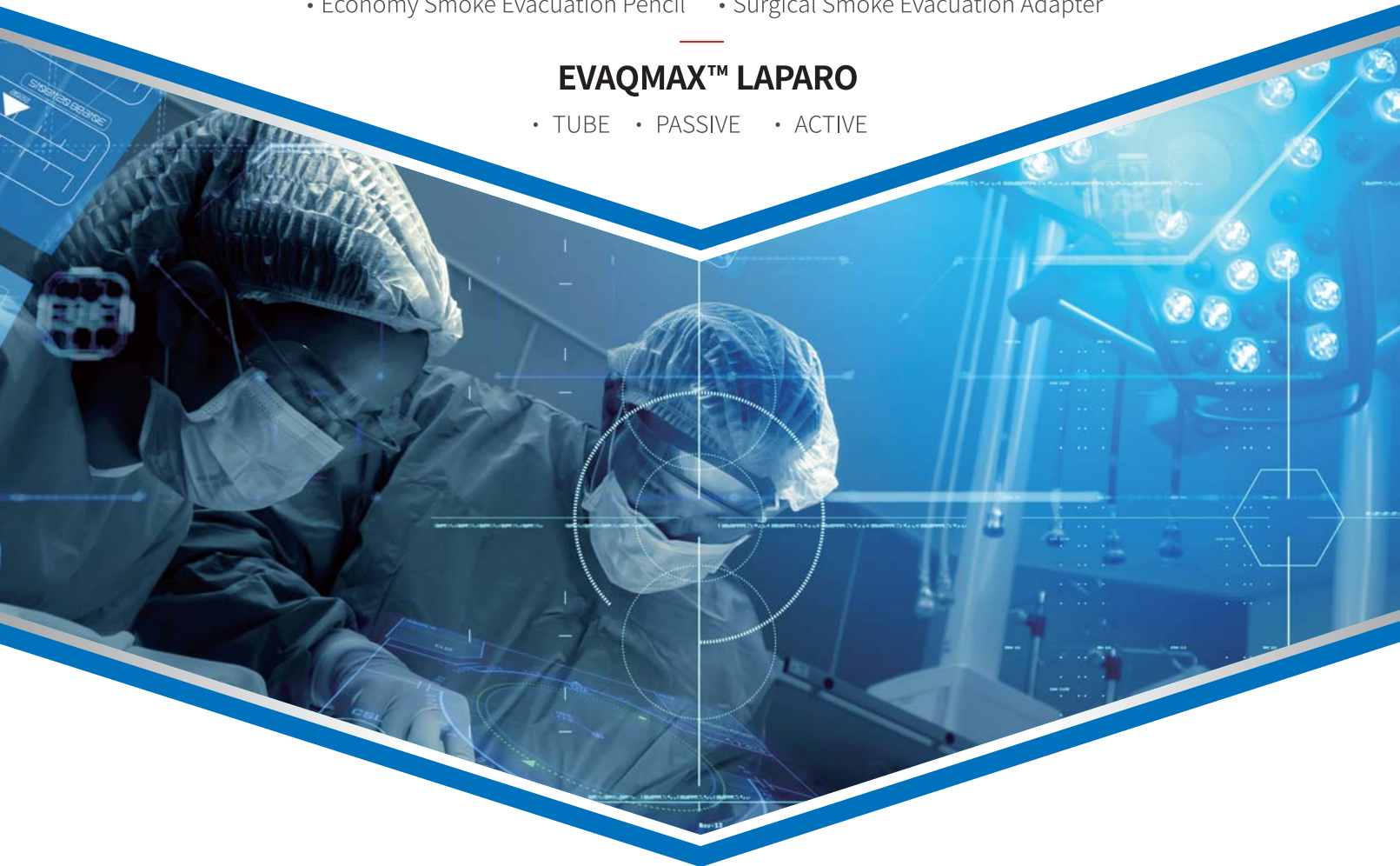
EVAQMAX™

EVAQMAX™ PEN

- Smoke Free Evacuation
- Dual Extension Smoke Evacuation Pencil
- Economy Smoke Evacuation Pencil
- Surgical Smoke Evacuation Adapter

EVAQMAX™ LAPARO

- TUBE
- PASSIVE
- ACTIVE



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EvaQMax™

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EvaQMax™ PEN

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EvaQMax™ Laparo

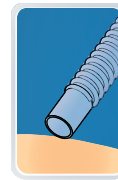
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Eva Q Max™

Smoke Free Evacuation

Procedure Operating Modes

The desired procedure can be set simply by touching the corresponding image. Automatically customizing suction default level based on desired surgical procedure.



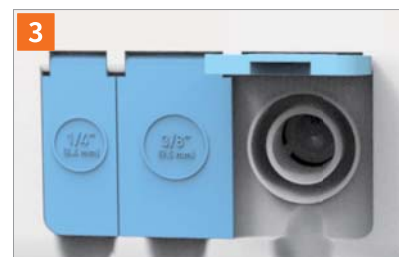
Longer Lasting Filter Life

Can save on running costs.
(Lasts up to 50 hours.)



Touch Screen

The touch screen panel can be operated while wearing gloves.



Multi Port Design

Three different sized connection ports are designed to create an air-tight bond with the desired port. The port cover cap eliminates any possible contamination with the glove when connecting the hose to the unit.

Technical Specification

Item	Specification
Noise Levels (Nominal Values)	Maximum power < 55 dBA
Dimensions (H x W x D)	6 in x 11 in x 15.5 in (15.2 cm x 27.9 cm x 39.4 cm)
Flow Rates	25 cfm (708 lpm) using 7/8 in (22 mm) tubing
Weight	With filter installed : 12.0 lbs (5.0 kg) / Without filter installed : 9.5 lbs (4.0 kg)
Certifications	CE, FDA
Warranty	One (1) Year Full Warranty
Multi Port	1/4 in (6.4mm), 3/8 in (9.5mm), 7/8 in (22mm)

Model	Product Description	Included	Packaging Info.
EQM-U	EvaQMax™ Electro Surgical Evacuator (Without filter, Includes one footswitch)	-	1 / each
EQM-CAF	EvaQMax™ Filter, Multi ports design with ULPA filter (ULPA particle Filter with 99,999+% efficiency)	Optional	4 / each
EQM-A	EvaQMax™ Auto, Automatic Activation Device	Optional	40 / each
EQM-FT	EvaQMax™ Fluid Trap, 7/8 in (22 mm) and 1/4 in (6.4 mm) tubing connection ports	Optional	20 / each

Accessories



Foot-switch (Included)



Automatic Activation Device (Optional)



Fluid Trap (Optional)

Eva Q Max™ Pen Smoke Evacuation series

Smoke Free Evacuation

One Touch Button Extendable Telescopic Type

The easiest way to extend the length

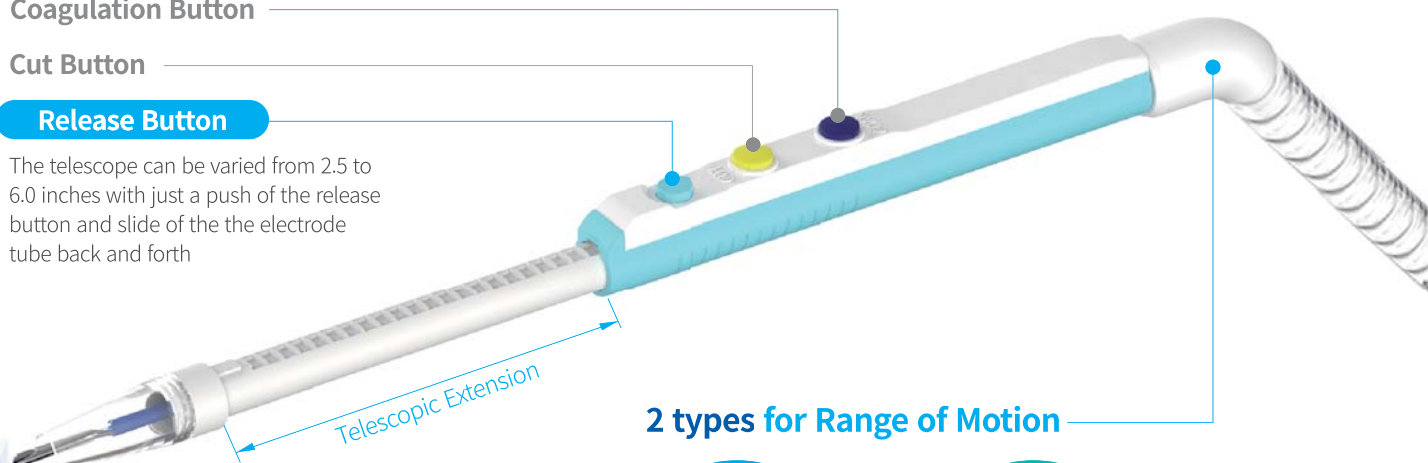
1. Ability to keep focus on the surgery area even when extending the length.
2. Easy extension and retraction of suction tube with blade attachment.
3. Thin, light weight design provides comfortable usage for surgeons.
4. Superior suction capability.

Coagulation Button

Cut Button

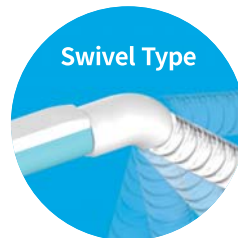
Release Button

The telescope can be varied from 2.5 to 6.0 inches with just a push of the release button and slide of the the electrode tube back and forth



2 types for Range of Motion

Swivel Type



- 360 Degree Swivel
- Free hand movement

Elbow Type



- Fixed Elbow Without swivel
- ※Choose from all Smoke Evacuation Pencils.

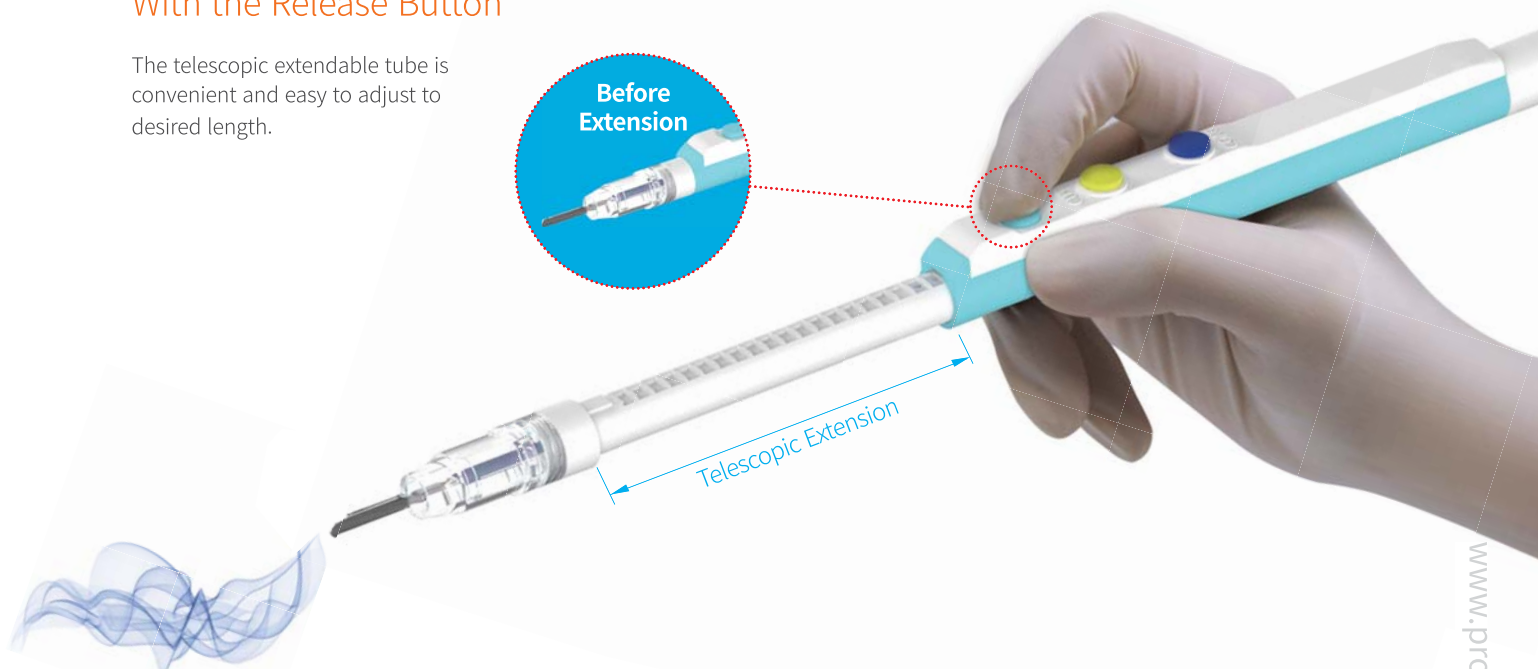
Model	Product Description	Type	Cable Length	Packaging Info.
EvST	Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Swivel	10' Cable	1 pc / Pack 20 pcs/ Case
EvST-5	Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Swivel	16' Cable	
EvSTI	Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Swivel	10' Cable	
EvSTI-5	Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Swivel	16' Cable	
EvST-ELB	Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Elbow	10' Cable	
EvST-ELB-5	Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Elbow	16' Cable	
EvSTI-ELB	Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Elbow	10' Cable	
EvSTI-ELB-5	Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Elbow	16' Cable	

ULTIMATE SOLUTION for SMOKE FREE in OR

Dual Extension Smoke Evacuation Pencil

Easy to extend the telescopic tube With the Release Button

The telescopic extendable tube is convenient and easy to adjust to desired length.



Extension of the suction tip allows maximum smoke evacuation

Hold the suction tip and slide it as close as possible to the blade in order to maximize the suction capacity.



Model	Product Description	Type	Cable Length	Packaging Info.
EvDE	Dual Extension, Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Swivel	10' Cable	1 pc / Pack 20 pcs/ Case
EvDE-5	Dual Extension, Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Swivel	16' Cable	
EvDEI	Dual Extension, Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Swivel	10' Cable	
EvDEI-5	Dual Extension, Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Swivel	16' Cable	
EvDE-ELB	Dual Extension, Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Elbow	10' Cable	
EvDE-ELB-5	Dual Extension, Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Elbow	16' Cable	
EvDEI-ELB	Dual Extension, Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Elbow	10' Cable	
EvDEI-ELB-5	Dual Extension, Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Elbow	16' Cable	

EvaQMax™ Pen Smoke Evacuation series

Economy Smoke Evacuation Pencil

Cost Effective & Simple Use
Non Extendable Type



Extension of the suction tip
allows maximum smoke evacuation

Hold the suction tip and slide it as close as possible to the blade in order to maximize the suction capacity.



Model	Product Description	Type	Cable Length	Packaging Info.
EvEC	Non-Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Swivel	10' Cable	1 pc / Pack 20 pcs/ Case
EvEC-5	Non-Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Swivel	16' Cable	
EvECI	Non-Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Swivel	10' Cable	
EvECI-5	Non-Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Swivel	16' Cable	
EvEC-ELB	Non-Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Elbow	10' Cable	
EvEC-ELB-5	Non-Telescopic, 2.5" Non-Stick Ceramic Coated Blade, Holster	Elbow	16' Cable	
EvECI-ELB	Non-Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Elbow	10' Cable	
EvECI-ELB-5	Non-Telescopic, 2.5" Insulated Non-Stick Ceramic Coated Blade, Holster	Elbow	16' Cable	

Non-Stick Blade – Easy to Clean

Ceramic coated blade is specially designed for easy cleaning after cutting and coagulation.

The blade is not flammable, inhibits noxious gasses, bio-compatible to the skin and extremely durable when using higher wattages.



Before use

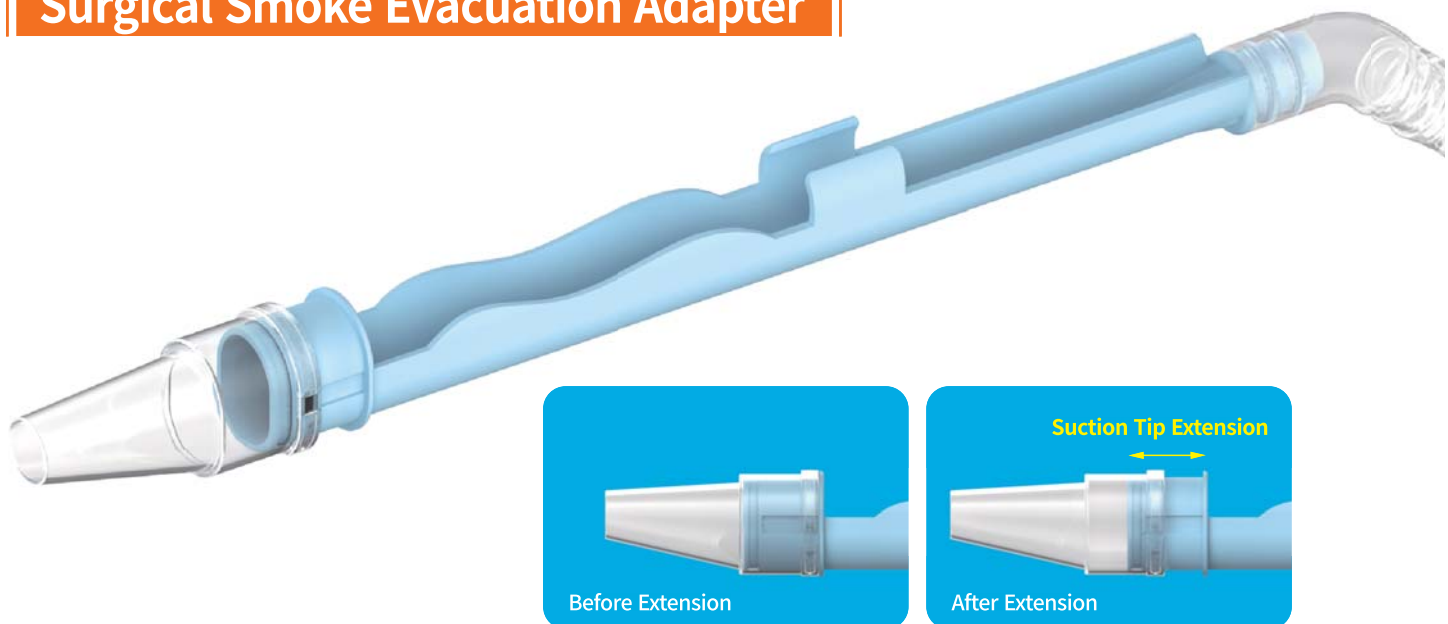


After use in 50W

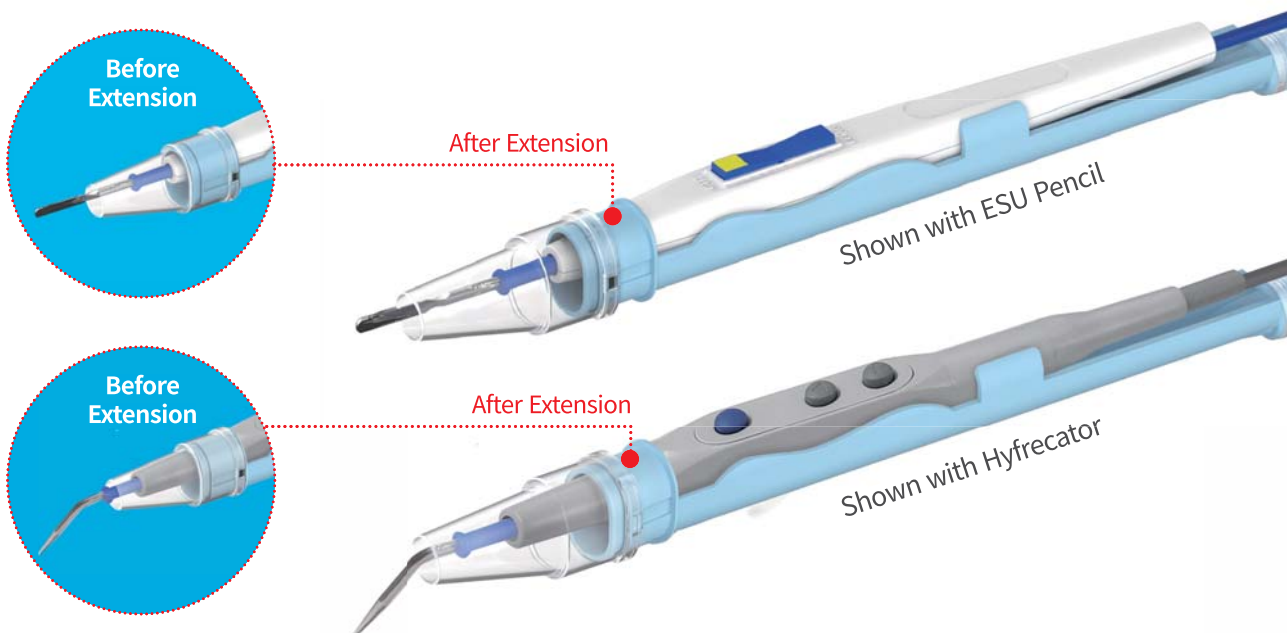


Easy cleaning with one swipe

Surgical Smoke Evacuation Adapter



Extension of the suction tip allows maximum smoke evacuation



Model	Product Description	Tubing Length	Packaging Info.
EvFIT	Ideal for surgical smoke evacuator applications, Extension	3/8in X 10' Ft Tubing	1 pc / Pack 10 pcs / Box 4 Boxes / Case
EvFIT-5	Ideal for surgical smoke evacuator applications, Extension	3/8in X 16' Ft Tubing	



08
09



EvaQMax™ Laparo

TUBE

Model : TS3, TV3, TO3

Recommendation to use :

When OR has automated smoke evacuator with filter and do not want to use wall suction.

How to use :

Connect to trocar on one side

Connect to smoke evacuator which has filter in it on the other side

- TS3 : Laparoscope Smoke Evacuation Tube Set
- TV3 : Laparoscope Smoke Evacuation Tube setting with Control Valve
- TO3 : Laparoscope Smoke Evacuation Tube setting with Flow Restrictor

It can be used as a second best option with TS3, TV3, TO3 Tube + Fluid trap.

In terms of price, TS3, TV3, TO3 + Fluid trap is slightly more expensive than Active in Line, but it is superior in its performance.



TS3



TV3



TO3

EQM-U Smoke Evacuator + EQM-FT (Fluid trap)



EvaQMax™ Laparo

Laparoscopic Smoke Evacuation Devices

Bio Protech currently offers Laparoscopic smoke evacuation unit, tubing and accessories that are used in Laparoscopic OR. We currently do not offer insufflators.

Our current Laparoscopic product can be configured and used in 5 different ways as follows ;

PASSIVE

Model : PSF2

Recommendation to use :

Simple use without smoke evacuation devices

How to use :

Connect to trocar only

- ULPA filter integrated
- Fluid Trap is built in
- Compatible to all standard luer lock fittings

Passive type removes smoke & vapor automatically from the abdominal cavity. It is self-working smoke evacuation device and no required any evacuator or suction device. It allows the safest way to maintain the pneumoperitoneum while the smoke evacuation is being performed during laparoscopic surgery.



ACTIVE Volume control

Model : ASF3

Recommendation to use :

When OR has wall suction to remove smoke through the suction canister.

How to use :

Connect to trocar on one side

Connect to canister of wall suction on the other side

Dial volume controller to adjust air flow

- ULPA filter integrated
- Fluid Trap is built in
- Air flow controller
- Compatible to all standard luer lock fittings and suction system.

Active Volume Control is connected to the trocar on one side to evacuate smoke created from Laparoscopic surgery and connected to the canister on the other side to create the desired air flow by mounted volume controller on Active Volume Control.



ACTIVE In-Line Fluid Trap & Filter Model : ASFN3

Recommendation to use :

When OR has a laparoscopic surgery insufflator with smoke suction function and/or portable suction that has volume control system.

How to use :

Connect to trocar on one side
Connect to smoke suction

- No air control dial
(Air flow is controlled by suction unit)
- ULPA filter integrated
- Fluid trap is built in
- Compatible to all standard luer lock fittings and smoke suction unit

It is ideal to use when the OR has suction unit already, but needs filtration and fluid trap additionally. Smoke particles are filtered and moisture is managed through fluid trap.



ACTIVE In-Line Fluid Trap Model : ASFTO3

Recommendation to use :

When OR has automated smoke evacuator with filter and do not want to use wall suction.

How to use :

Connect to trocar on one side
Connect to smoke evacuator which has filter in it on the other side

- Fluid Trap is built in.
- No filtration
- No air control dial
(Desired air flow is created by smoke evacuator)

Sterile surgical smoke management tubing that has built in fluid trap. Its one side is connected to trocar and the other side goes to smoke evacuator with filter. It is capable to manage fluid and air flow is controlled by smoke evacuator during laparoscopic surgery.



EvaQTMMax Laparo

Product Code	PSF2	ASF3	ASFN3
Image			
ULPA Filter	☐	☐	☐
Fluid Trap	☐	☐	☐
Volume Controller	☐	☐	☒
Connect A	 Trocar	 Trocar	 Trocar
Connect B	None Independently use No need to connect to other devices	 Canister of Wall suction	 Smoke suction unit and / or Portable suction
Hose Length	10' Hose	10' Hose	10' Hose

ASFT03	TS3	TV3	T03
			
×	×	×	×
○	×	×	×
×	×	Control valve	×
			
Trocar	Trocar	Trocar	Trocar
			
Smoke evacuator with filter	Smoke evacuator with filter and Fluid Trap 2.5" Stainless Blade, Holster	Smoke evacuator with filter and Fluid Trap	Smoke evacuator with filter and Fluid Trap
10' Hose	10' Hose	10' Hose	10' Hose



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