

# andorate

Precision Engineered for Seamless Connectivity

**Designed to Support  
Everyday Endoscopy Workflows**

Endoscope Valves and Tubing

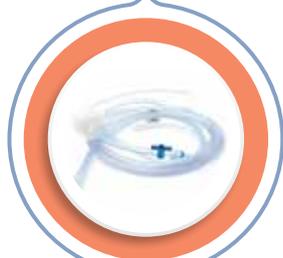


# Andorate Integrated System for Reliable Workflow



## Suction, Air/Water and Biopsy Valve

Serving as the **key control points** of the endoscope, these valves regulate suction, air, and water flow while **providing access** for instruments. Designed for precise, responsive fingertip operation, they enable **consistent control** throughout procedures.



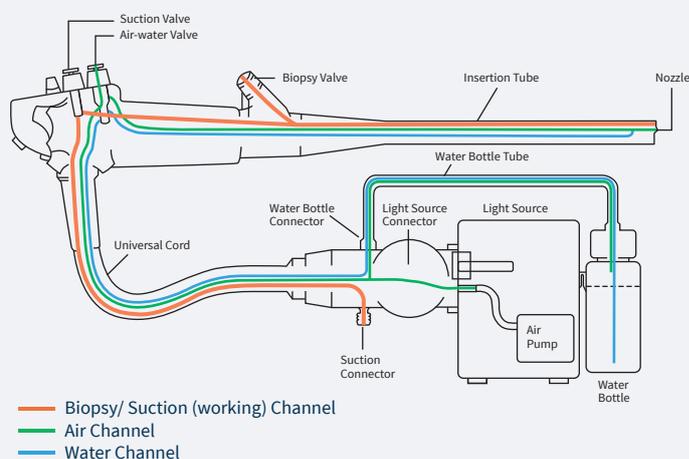
## Air/Water Tubing

Delivers a **steady flow** of air and water through the endoscope to cleanse the lens and insufflate the lumen. This helps the clinical team maintain a **clear field** of view throughout the procedure.



## Irrigation Tubing

Ensures **directed fluid** flow through the endoscope to flush the mucosa and remove blood, mucus, or debris. This supports staff in **maintaining optimal visibility** and procedural continuity.



Valves and tubing function together as a **closed, integrated suction, air, and water system** for GI endoscopy. Reliable connections minimise handling, streamline workflows, and **promote consistency** and **infection prevention** for clinical teams.

# What Reliable Connections Mean for Endoscopy Units



## Ready-to-Use Setup

Integrated valves and tubing **reduce handling steps** during preparation, **saving time for busy teams** and supporting compliance with **infection-prevention standards**.



## Smooth Operation

Designed to minimise risks of valve jamming, sticking, or tubing leaks and bursts, **supporting reliable use** throughout procedures.



## Built-in Protection

**Backflow-prevention** features provide an **extra safeguard** for the auxiliary water system, reducing crosscontamination risk.



## Lubricant-Free Design

Valves are **lubricant free**, helping staff save time and avoid extra materials for drying gloves.

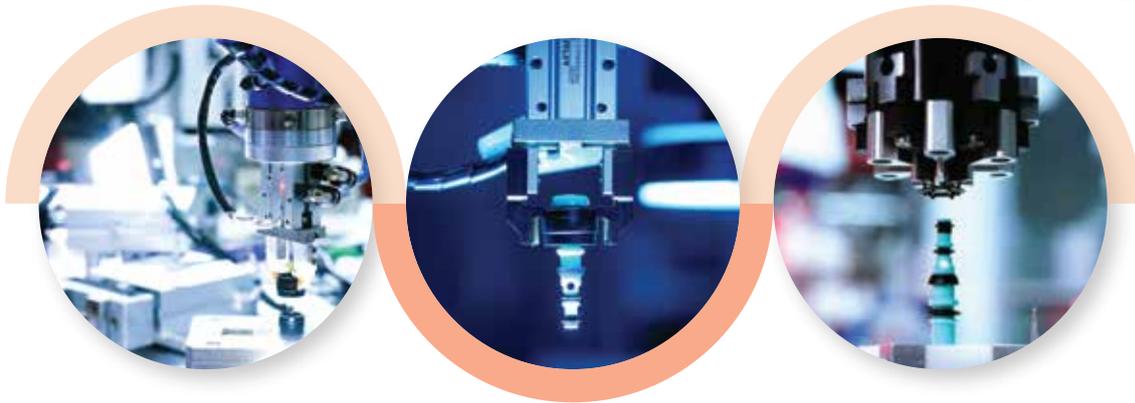


## Organised Setup

Supporting accessories such as bottle holders keep tubing neat and **reduce clutter** around the endoscopy tower.

# Andorate Engineered for Seamless Integration

## Focuses on Quality and Process



Automated  
Assembly



Pressure-Resistant  
Materials



AI-Powered  
Quality Control

## Key Elements of Valve Design

### ►► Reliability in Use

Even minor differences in components, such as springs or seals, can result in sticking or leakage. **Precision manufacturing** ensures valves **perform consistently** throughout procedures, minimising these risks and supporting reliable operation.

### ►► Specialised Materials Chosen for Reliable Strength

Reusable valves are typically made with metal components, while single-use designs utilise advanced engineered materials. Achieving **comparable strength** and **durability** in these components demands **careful design** and **precision manufacturing**.

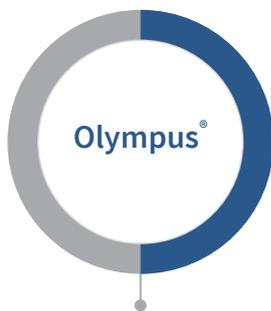
### ►► Balance of Strength and Control

**Precision engineering** ensures valves are neither too tight, which could cause sticking, nor too loose, which could lead to leakage. This balance supports **smooth and consistent operation**.

# Validated Compatibility



## Andorate Endoscope Control Valves and Cleaning Adapters



Olympus®

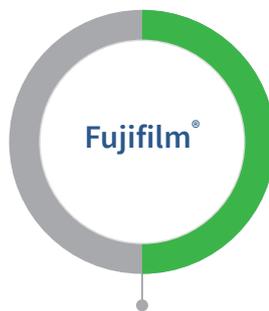
Extended compatibility with new Olympus **1100, 1200** and **1500** GI endoscope

**Core Set pcs**  
(2,3,4 pcs)

Biopsy, suction, A/W valves, irrigation connector

**Plus Set**  
(5,6 pcs)

Adds A/W & biopsy port cleaning adapters



Fujifilm®

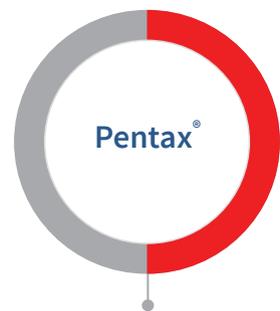
Compatible with Fujifilm **700** GI endoscope

**Core Set pcs**  
(2,3,4 pcs)

Biopsy, suction, A/W valves, irrigation connector

**Plus Set**  
(5,6 pcs)

Adds A/W & biopsy port cleaning adapters



Pentax®

Compatible with Pentax **90i, i10** GI endoscope

**Core Set pcs**  
(2,3,4 pcs)

Biopsy, suction, A/W valves, irrigation connector

See page 10 for the full configuration



# Andorate Specialty Valves for Stability and Control

Specifically engineered for bronchoscopes, featuring enhanced stability and precise suction control.

» **Unique Gradual Suction Control**

A **progressive suction mechanism** enables activation from the initial press to full suction, ensuring **smoother and more precise adjustment** of suction flow.

» **Reinforced Suction Tube Connection**

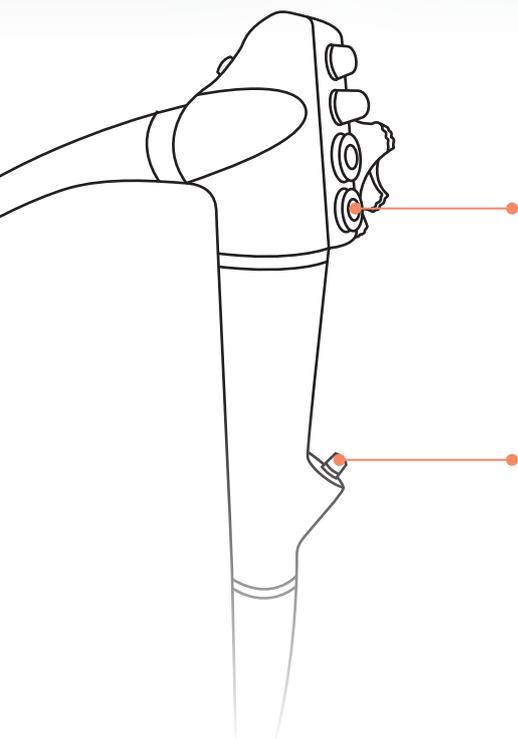
Enhanced side supports at the suction tube connection point improve **stability** and **reduce the risk of loosening or detachment** during handling and reprocessing.

» **Balanced Biopsy Valve Design**

Soft-seal biopsy valves facilitate the **smooth passage** of delicate bronchoscopic instruments while **maintaining the strength needed** for reliable suction throughout procedures.



# Supporting Standardised Bedside Cleaning



## Air/Water Cleaning Adapter

- Air channel
- Water channel



## Biopsy Port Cleaning Adapter

- Suction channel
- Biopsy port channel



### Dedicated for Channels

Designed to flush **biopsy ports** and **air/water channels** immediately after use.



### Supports Effective Reprocessing

Bedside cleaning **prevents residue** and **prepares scopes** for further reprocessing.



### Integrated with Workflow

Starts the **reprocessing cycle**, from cleaning to disinfection and storage.



### Easy to Identify

Features a distinct tag to differentiate from procedure valves.

# Andorate Integrated Air/Water System for Everyday Endoscopy

## For Air/Water Channel



**Air/Water  
Bottle Tubing**  
GAR025



**Air/Water Bottle Tubing  
with CO2 Extend**  
GAR025CO2EXT



**Stainless Steel  
Bottle Holder**  
502003

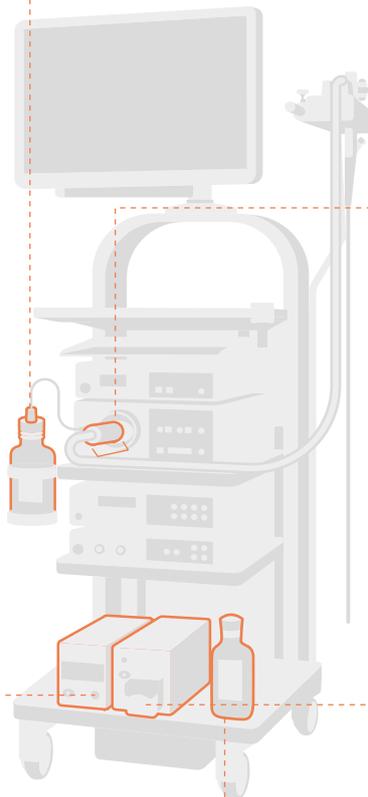
## For CO<sub>2</sub> Supply Setup



**CO<sub>2</sub> Source Tubing Adapter**  
GAR093



**CO<sub>2</sub> Source Tubing with  
Luer Connector**  
GAR047



## For Irrigation Channel



**Auxiliary Water  
Connector**  
GAR027



**Irrigation Tubing**  
GAR073



**Irrigation Tubing**  
GAR083



**Stainless Steel  
Bottle Holder**  
502003

\* Compatible with Olympus GI Endoscopes

 Reusable

 For single-patient use

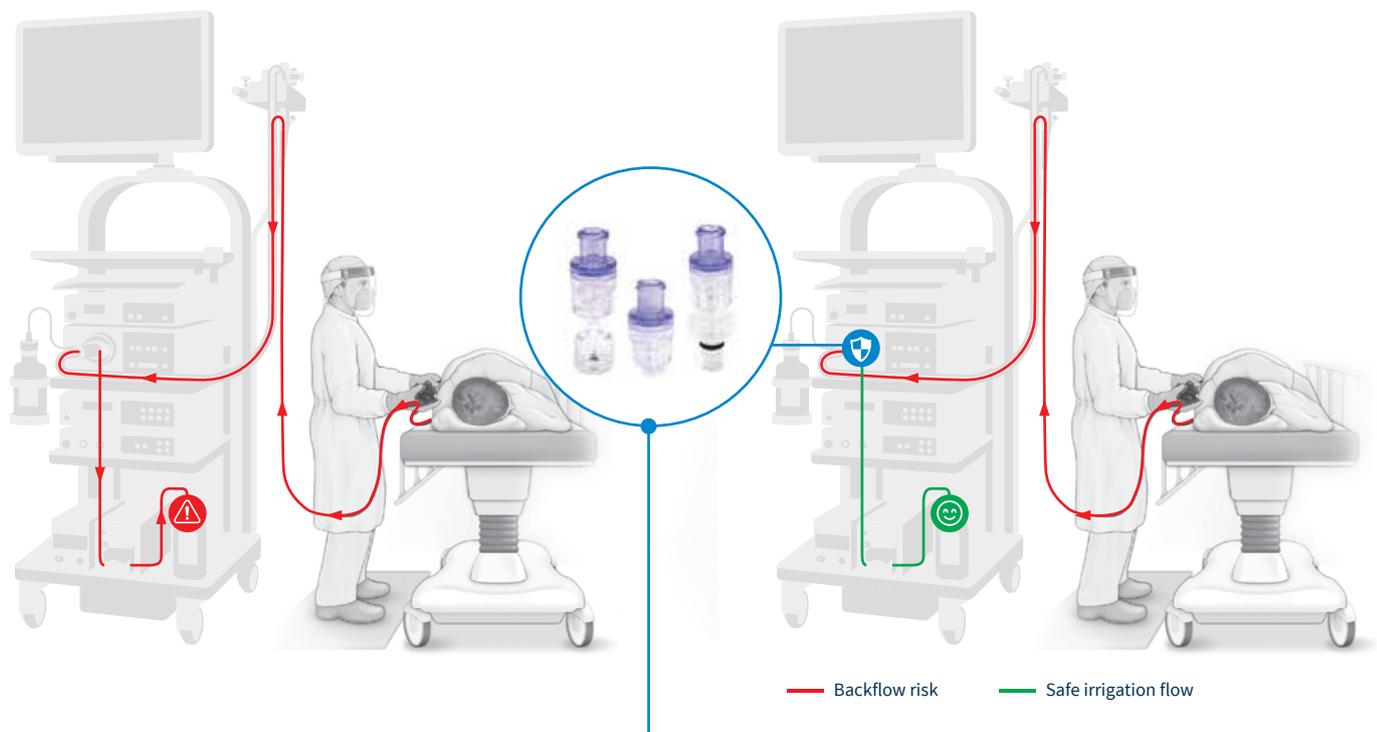
 For 24-hour use

# Preventing Backflow: A Critical Step in Infection Control

Backflow of blood, mucus, or fluid through the irrigation line has been repeatedly reported in FDA safety alerts over the years.

Without Irrigation Connector

With Irrigation Connector



➤ Andorate's single-use backflow valve creates a **reliable one-way barrier**, **preventing contamination** of the water system.

➤ This **added layer of protection** helps minimise cross-contamination risks and supports **safer workflows** for endoscopy teams.

## Ensure Optimal Infection Protection

- ✓ Use a new one-way valve for every patient.
- ✓ Discard after each use to ensure compliance with infection control standards.

# Better Organisation Less Strain

## Efficiency, Visibility, Staff Safety



- **Organised Setup**  
Keeps tubing tidy and minimises clutter around the endoscope tower, creating a more efficient workspace.
- **Universal Compatibility**  
Fits water bottles of various brands and volumes, securely stabilising them on the endoscope tower during procedures.
- **Clear Water Levels**  
Water levels are visible at a glance—no lifting required, improving workflow and reducing effort.
- **Reduced Strain**  
Minimises repetitive lifting, helping to safeguard staff well-being and reduce physical strain.

### Without Andorate Bottle Holder



Cluttered tubing, reduced efficiency & safety.



### With Andorate Bottle Holder



Tidy, efficient workspace with secure water bottle placement



## Small Design, Big Impact

✓ Transform your workspace into a tidy, secure, and efficient environment.

# Andorate Seamless Compatibility with Olympus GI Endoscopes



**Suction Valve**



**Air/Water Valve**



**Biopsy Valve**



**Biopsy Port Cleaning Adapter**



**Air/Water Cleaning Adapter  
GAR038**



**Stainless Steel  
Bottle Holder  
502003**



**Air/Water Bottle Tubing  
GAR025**



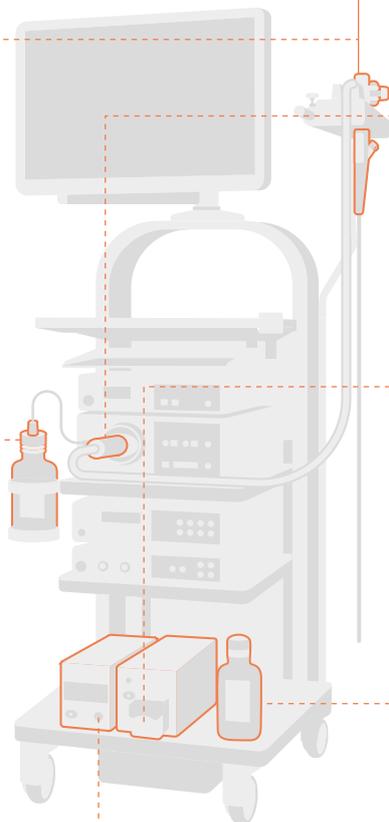
**Air/Water Tubing with  
CO<sub>2</sub> Extend  
GAR025CO2EXT**



**CO<sub>2</sub> Source Tubing with  
Luer Connector  
GAR047**



**CO<sub>2</sub> Source Tubing  
Adapter  
GAR093**



**Irrigation Connector  
GAR027**



**Irrigation Tubing  
GAR083**

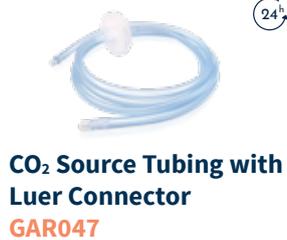
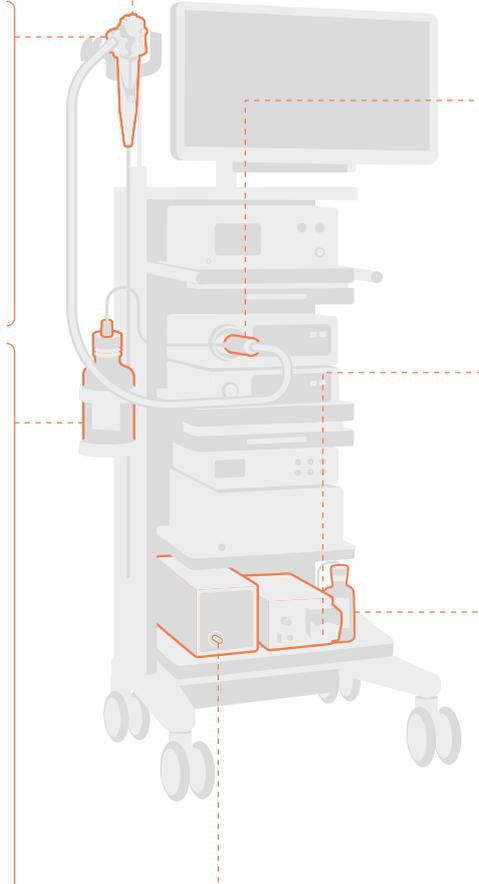
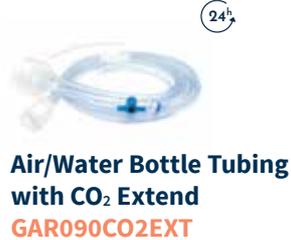


**Stainless Steel  
Bottle Holder  
502003**



See page 13 for the ordering information

# Andorate Seamless Compatibility with Fujifilm GI Endoscopes



# Andorate Seamless Compatibility with Pentax GI Endoscopes



**Suction Valve**



**Air/Water Valve**



**Biopsy Valve**



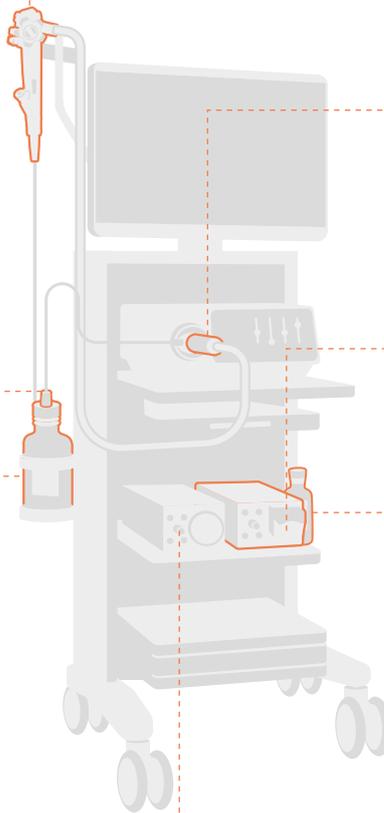
**Stainless Steel Bottle Holder**  
502003



**Air/Water Bottle Tubing**  
GAR072



**Air/Water Bottle Tubing with CO<sub>2</sub> Extend**  
GAR072CO2EXT



**Irrigation Connector**  
GAR048



**Irrigation Tubing**  
GAR083



**Stainless Steel Bottle Holder**  
502003



**CO<sub>2</sub> Source Tubing with Luer Connector**  
GAR047



**CO<sub>2</sub> Source Tubing Adapter**  
GAR093



See page 15 for the ordering information

# Ordering Information



**Standard Valve Set**

**GAR004**

Compatible with Olympus®  
140/160/180/190/240/260/290  
Series GI Endoscopes

Per box: 50 units  
253 x 215 x 205 mm | 1.49 kg  
Per carton: 200 units  
535 x 455 x 235 mm | 5.94 kg



**Standard Valve Set  
with Irrigation Connector**

**GAR046**

Compatible with Olympus®  
160/180/190/240/260/290 Series  
GI Endoscopes

Per box: 50 units  
315 x 235 x 235 mm | 1.78 kg  
Per carton: 200 units  
490 x 490 x 345 mm | 7.12 kg



**Standard Valve Set  
with Cleaning Adapter**

**GAR3804**

Compatible with Olympus®  
140/160/180/190/240/260/290  
Series GI Endoscopes

Per box: 10 units  
245 x 175 x 160 mm | 0.70 kg  
Per carton: 200 units  
510 x 370 x 190 mm | 2.78 kg



**Standard Valve Set with  
Irrigation Connector &  
Cleaning Adapter**

**GAR3846**

Compatible with Olympus®  
160/180/190/240/260/290 Series  
GI Endoscopes

Per box: 10 units  
245 x 175 x 160 mm | 0.73 kg  
Per carton: 200 units  
510 x 370 x 190 mm | 2.97 kg



**Combo  
Standard Valve Set**

**GAR387546**

Compatible with Olympus®  
160/180/190/240/260/290  
Series GI Endoscopes

Per box: 10 units  
245 x 175 x 160 mm | 0.90 kg  
Per carton: 40 units  
510 x 370 x 190 mm | 3.60 kg



**Air/Water Channel  
Cleaning Adapter**

**GAR038**

Compatible with Olympus®  
140/160/180/190/240/260/290  
Series GI Endoscopes

Per box: 100 units  
245 x 175 x 160 mm | 1.41 kg  
Per carton: 400 units  
510 x 370 x 190 mm | 5.64 kg



**Air/Water Channel  
Cleaning Adapter, Biopsy Port  
Cleaning Adapter**

**GAR3875-NS**

Compatible with Olympus®  
140/160/180/190/240/260/290  
Series GI Endoscopes

Per box: 50 units  
245 x 175 x 220 mm | 2.07 kg  
Per carton: 300 units  
555 x 515 x 255 mm | 12.41 kg

● Compatible with Olympus endoscopes

For single-patient use

# Ordering Information



**Standard Valve Set**

**GAR087**

Compatible with Fujifilm®  
700 Series GI Endoscope

Per box: 50 units  
315 x 235 x 235 mm | 1.67 kg  
Per carton: 200 units  
490 x 490 x 345 mm | 6.69 kg



**Standard Valve Set with Irrigation Connector**

**GAR092**

Compatible with Fujifilm®  
700 Series GI Endoscope

Per box: 50 units  
315 x 235 x 235 mm | 1.73 kg  
Per carton: 200 units  
490 x 490 x 345 mm | 6.92 kg



**Standard Valve Set with Irrigation Connector & Cleaning Adapter**

**GAR105092**

Compatible with Fujifilm®  
700 Series GI Endoscope

Per box: 10 units  
245 x 175 x 160 mm | 0.64 kg  
Per carton: 200 units  
510 x 370 x 190 mm | 2.57 kg



**Combo Standard Valve Set**

**GAR1057592**

Compatible with Fujifilm®  
700 Series GI Endoscope

Per box: 10 units  
245 x 175 x 160 mm | 0.88 kg  
Per carton: 40 units  
510 x 370 x 190 mm | 3.50 kg



**Air/Water Channel Cleaning Adapter**

**GAR105**

Compatible with Fujifilm®  
700 series GI Endoscope

Per box: 100 units  
245 x 175 x 160 mm | 1.10 kg  
Per carton: 400 units  
510 x 370 x 190 mm | 4.41 kg



**Air/Water Channel Cleaning Adapter, Biopsy Port Cleaning Adapter**

**GAR10575-NS**

Compatible with Fujifilm®  
700 Series GI Endoscope

Per box: 50 units  
245 x 175 x 220 mm | 2.25 kg  
Per carton: 300 units  
555 x 515 x 255 mm | 14.85 kg

● Compatible with Fujifilm endoscopes

For single-patient use

# Ordering Information



## Standard Valve Set

**GAR037**

Compatible with Pentax®  
90/i10/i10c Series  
GI Endoscope

Per box: 50 units  
380 x 300 x 150 mm | 1.66 kg  
Per carton: 200 units  
490 x 490 x 345 mm | 6.62 kg



## Standard Valve Set with Irrigation Connector

**GAR081**

Compatible with Pentax®  
90/i10/i10c Series  
GI Endoscope

Per box: 50 units  
315 x 235 x 235 mm | 1.73 kg  
Per carton: 200 units  
490 x 490 x 345 mm | 6.92 kg

● Compatible with Pentax endoscopes

 For single-patient use

# Ordering Information



24h

**Air/Water Bottle Tubing**

**GAR025**

Compatible with Olympus  
140/160/180/190/240/260/290/1100/  
1200/1500 Series GI Endoscopes

Per box: 20 units  
380 x 300 x 150 mm | 2.00 kg  
Per carton: 40 units  
425 x 350 x 310 mm | 3.99 kg



24h

**Air/Water Bottle Tubing with CO<sub>2</sub> Extend**

**GAR025CO2EXT**

Compatible with Olympus  
140/160/180/190/240/260/290/1100/  
1200/1500 Series GI Endoscopes

Per box: 10 units  
297 x 162 x 202 mm | 1.51 kg  
Per carton: 40 units  
425 x 350 x 310 mm | 6.20 kg



24h

**Air/Water Bottle Tubing**

**GAR072**

Compatible with Pentax  
90 Series  
GI Endoscopes

Per box: 20 units  
380 x 300 x 150 mm | 2.00 kg  
Per carton: 40 units  
425 x 350 x 310 mm | 4.00 kg



24h

**Air/Water Bottle Tubing with CO<sub>2</sub> Extend**

**GAR072CO2EXT**

Compatible with Pentax  
90 Series  
GI Endoscopes

Per box: 10 units  
297 x 162 x 202 mm | 1.32 kg  
Per carton: 40 units  
425 x 350 x 310 mm | 5.86 kg



24h

**Air/Water Bottle Tubing**

**GAR088**

Compatible with Fujifilm  
500/600 Series  
GI Endoscopes

Per box: 20 units  
380 x 300 x 150 mm | 1.66 kg  
Per carton: 40 units  
425 x 350 x 310 mm | 3.70 kg



24h

**Air/Water Bottle Tubing with CO<sub>2</sub> Extend**

**GAR088CO2EXT**

Compatible with Fujifilm  
500/600 Series  
GI Endoscopes

Per box: 10 units  
297 x 162 x 202 mm | 1.27 kg  
Per carton: 40 units  
425 x 350 x 310 mm | 5.66 kg



24h

**Air/Water Bottle Tubing**

**GAR090**

Compatible with Fujifilm  
700 Series  
GI Endoscopes

Per box: 20 units  
380 x 300 x 150 mm | 1.96 kg  
Per carton: 40 units  
425 x 350 x 310 mm | 3.91 kg



24h

**Air/Water Bottle Tubing with CO<sub>2</sub> Extend**

**GAR090CO2EXT**

Compatible with Fujifilm  
700 Series  
GI Endoscopes

Per box: 10 units  
297 x 162 x 202 mm | 1.39 kg  
Per carton: 40 units  
425 x 350 x 310 mm | 6.17 kg

● Compatible with Olympus endoscopes

● Compatible with Fujifilm endoscopes

● Compatible with Pentax endoscopes

24h For 24-hour use

# Ordering Information



**Irrigation Tubing**

**GAR073**

Compatible with Olympus OFF and Endo Stratus EGA-500 Irrigation Pump

Per box: 10 units  
297 x 162 x 202 mm | 1.64 kg  
Per carton: 40 units  
425 x 350 x 310 mm | 6.56 kg

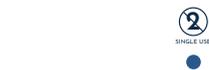


**Irrigation Tubing**

**GAR083**

Compatible with Olympus OFF-2, Endo Stratus EGA-500, Endogator EGP-100 and EIP 2 Irrigation Pump

Per box: 10 units  
297 x 162 x 202 mm | 1.55 kg  
Per carton: 40 units  
425 x 350 x 310 mm | 6.20 kg



**Auxiliary Water Connector**

**GAR027**

Compatible with Olympus 160/180/190/240/260/290 Series GI Endoscopes

Per box: 100 units  
297 x 162 x 202 mm | 0.52 kg  
Per carton: 1,000 units  
585 x 450 x 190 mm | 5.23 kg



**Auxiliary Water Connector**

**GAR064**

Compatible with Fujifilm 500/600/700 Series GI Endoscopes

Per box: 100 units  
297 x 162 x 202 mm | 0.40 kg  
Per carton: 1,000 units  
585 x 450 x 190 mm | 4.40 kg



**Auxiliary Water Connector**

**GAR048**

Compatible with Pentax 90/i10/i10c Series GI Endoscopes

Per box: 100 units  
380 x 300 x 150 mm | 0.55 kg  
Per carton: 1,000 units  
585 x 450 x 190 mm | 5.52 kg

● Compatible with Olympus endoscopes

● Compatible with Fujifilm endoscopes

● Compatible with Pentax endoscopes

For single-patient use

For 24-hour use

# Ordering Information



**CO<sub>2</sub> Source Tubing with Luer Connector**

**GAR047**

Not Endoscope-specific

Per box: 10 units  
315 x 235 x 235 mm | 2.04 kg  
Per carton: 40 units  
490 x 490 x 345 mm | 8.15 kg



**CO<sub>2</sub> Source Tubing Adapter**

**GAR093**

Compatible with Olympus UCR CO<sub>2</sub> Insufflator

Per box: 5 units  
160 x 120 x 30 mm | 0.23 kg  
Per carton: 25 units  
180 x 170 x 130 mm | 1.15 kg



**CO<sub>2</sub> Source Tubing Adapter**

**GAR108**

Compatible with Fujifilm GW-100 Insufflator

Per box: 5 units  
215 x 110 x 170 mm | 0.74 kg  
Per carton: 1,000 units  
585 x 450 x 215 mm | 7.60 kg



**Stainless Steel Bottle Holder with Mounting Plate**

**502003**

Compatible with Most of the Water Bottles

Per box: 1 unit  
135 x 103 x 158 mm | 0.40 kg  
Per carton: 6 units  
328 x 256 x 258 mm | 2.90 kg

● Compatible with Olympus endoscopes

● Compatible with Fujifilm endoscopes

● Compatible with Pentax endoscopes



# andorate



We are Global-Asia Health,  
providing advanced solutions  
for infection prevention in  
endoscopy.

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