

andorate

Precision Engineered for Seamless Connectivity

Endoscope Valves and Tubing

Designed to Support
Everyday Endoscopy Workflows

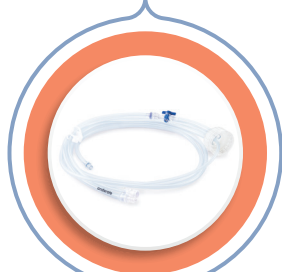


Andorate Integrated System for Reliable Workflow



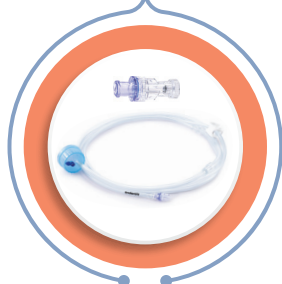
Suction, Air/Water and Biopsy Valve

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.



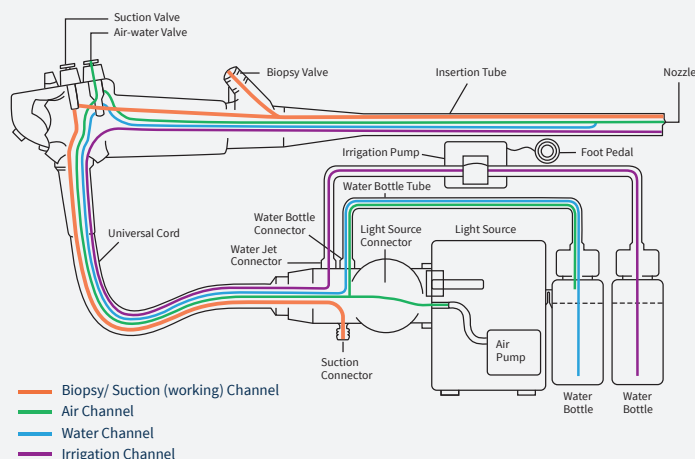
Air/Water Tubing

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 layer of protection** for the auxiliary water system, reducing cross-contamination risk.



Lubricant-Free Design

Valves are **lubricant free**, helping staff avoid slippery gloves, eliminates the need for wiping and re-handling, and reduces small interruptions during procedures.



Organised Setup

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

Andorate Engineered for Seamless Connectivity

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

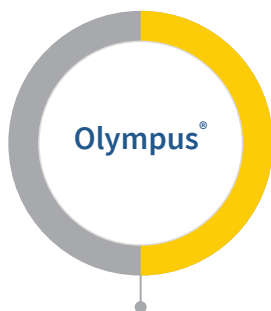
Reusable valves are typically made with metal components, while single-use designs utilise advanced engineered materials. Achieving **comparable strength** and **durability** in these components demands **careful design** and **precision manufacturing**.

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



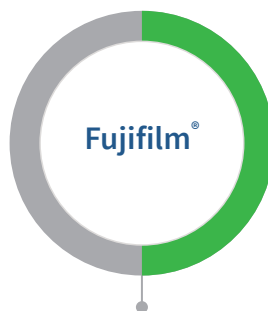
Extended compatibility with new Olympus **1100, 1200** and **1500** GI endoscopes

Core Set
(3,4 pcs)

A/W valve,
suction valve,
biopsy valve,
auxiliary water
connector

Plus Set
(5,6 pcs)

Adds
A/W & biopsy
port cleaning
adapters



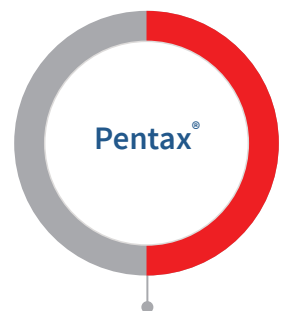
Compatible with Fujifilm **700** GI endoscopes

Core Set
(3,4 pcs)

A/W valve,
suction valve,
biopsy valve,
auxiliary water
connector

Plus Set
(5,6 pcs)

Adds
A/W & biopsy
port cleaning
adapters



Compatible with Pentax **90, i10, i10c** and **i20c** GI endoscopes

Core Set
(3,4 pcs)

A/W valve,
suction valve,
biopsy valve,
auxiliary water
connector

Plus Set*
(5 pcs)

Adds
A/W cleaning
adapter

* Available for Pentax i20c GI endoscopes

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

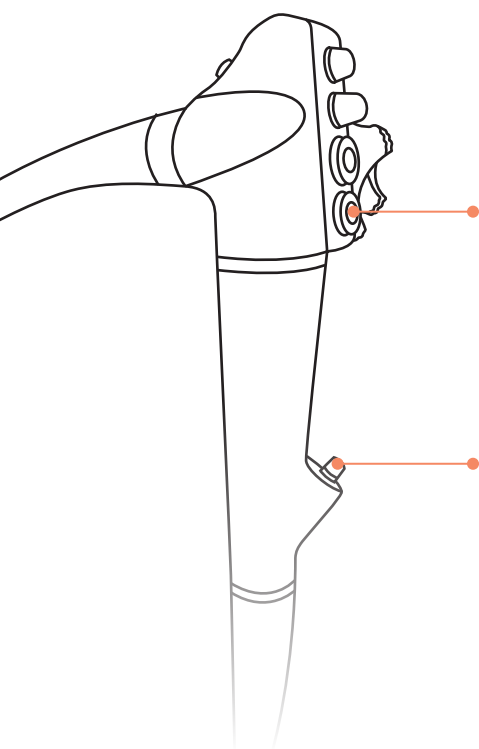
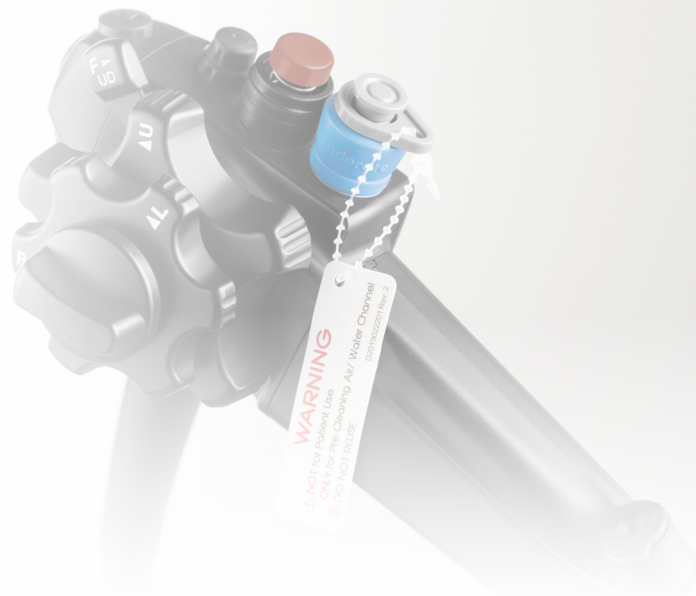
Enhanced side supports at the suction tube connection point improve **stability** and **reduce the risk of loosening or detachment** during handling and reprocessing.

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 CO₂ Supply Setup



CO₂ Source Tubing Adapter
GAR093



**CO₂ 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

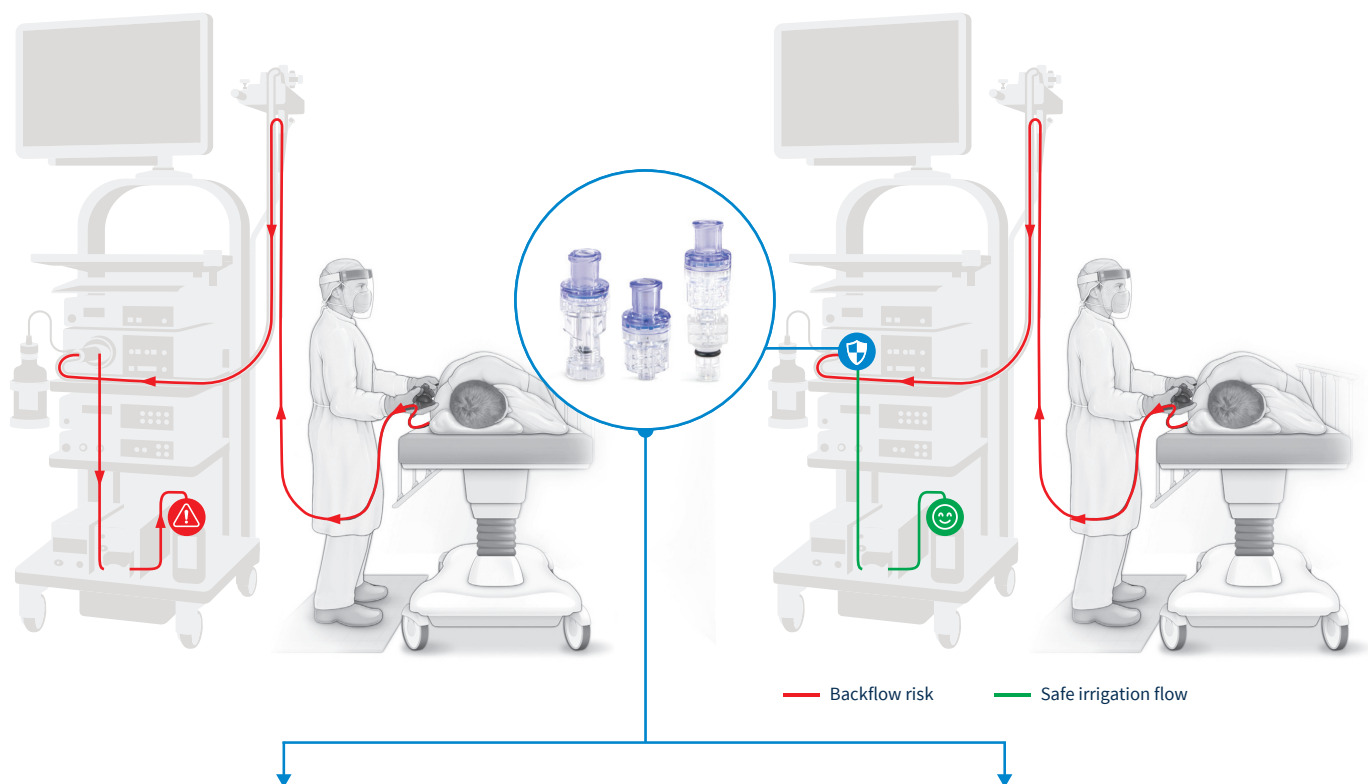
For 24-hour use

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 years¹

Without Irrigation Connector

With Irrigation Connector



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

2 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.*

Source: ¹ FDA Safety Communication: Preventing Cross-Contamination in Endoscope Processing (Issued 2015).

Better Tubing Organisation: Enhancing Clarity & Efficiency

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.

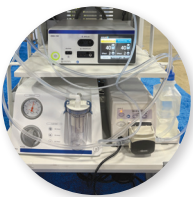
→ Clear Water Levels

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



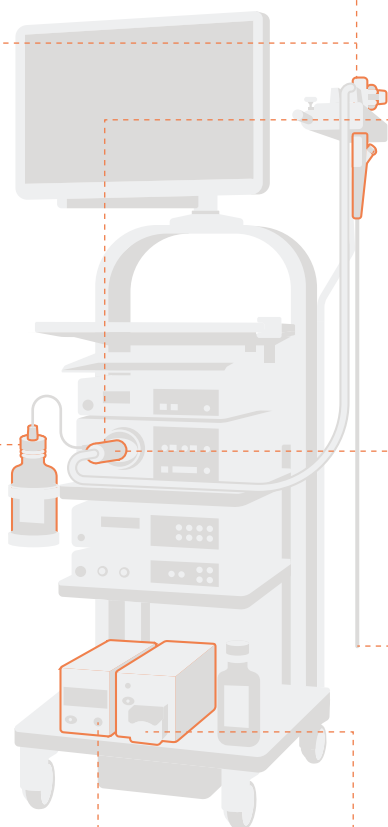
Air/Water Cleaning Adapter
GAR038



Air/Water Tubing with CO₂ Extend
GAR025CO2EXT



Stainless Steel Bottle Holder
502003



Irrigation Connector
GAR027



ThomasTrap Polyp Trap
GAR040



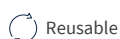
Universal Endoscope Tip Guard
GAR107



CO₂ Source Tubing Adapter
GAR093



Irrigation Tubing
GAR083



Reusable



For single-patient use



For 24-hour use

See page 14 for the ordering information



Andorate Seamless Compatibility with Fujifilm GI Endoscopes



Suction Valve



Air/Water Valve



Biopsy Valve



Biopsy Port Cleaning Adapter



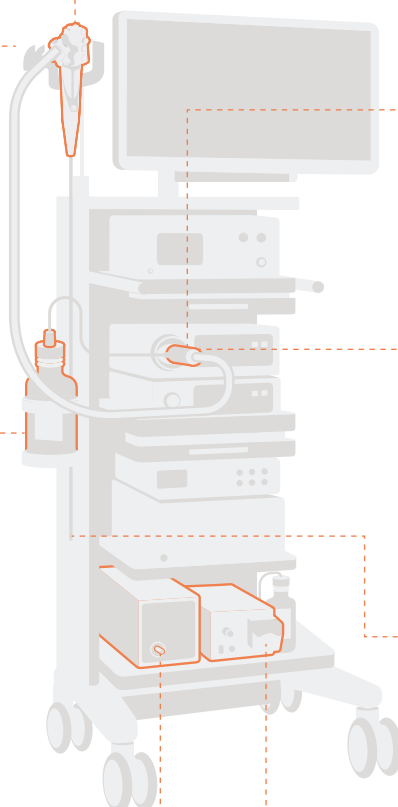
Air/Water Cleaning Adapter
GAR105



Air/Water Tubing with CO₂ Extend
GAR090CO2EXT



Stainless Steel Bottle Holder
502003



Irrigation Connector
GAR064



ThomasTrap Polyp Trap
GAR040



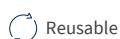
Universal Endoscope Tip Guard
GAR107



CO₂ Source Tubing Adapter
GAR108



Irrigation Tubing
GAR083



Reusable



For single-patient use



For 24-hour use

See page 15 for the ordering information



Andorate Seamless Compatibility with Pentax i20c GI Endoscopes

New Endoscope Platform



Suction Valve



Air/Water Valve



Biopsy Valve



Air/Water Cleaning Adapter
GAR301002



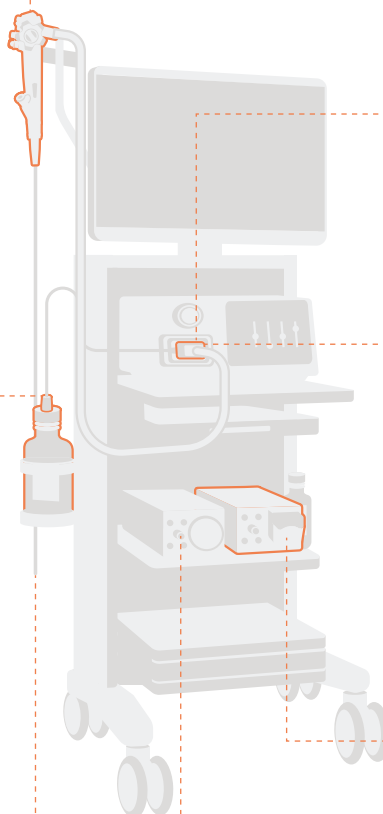
Stainless Steel Bottle Holder
502003



Air/Water Bottle Tubing with Side Port
GAR076



Air/Water Bottle Tubing with CO₂ Extend
GAR072CO2EXT



Irrigation Connector
GAR048



ThomasTrap Polyp Trap
GAR040



Irrigation Tubing
GAR083



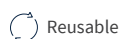
Universal Endoscope Tip Guard
GAR107



CO₂ Source Tubing Adapter
GAR093



CO₂ Source Tubing Adapter
GAR108



Reusable



For single-patient use



For 24-hour use

See page 16 for the ordering information



Andorate Seamless Compatibility with Pentax GI Endoscopes



Suction Valve



Air/Water Valve



Biopsy Valve



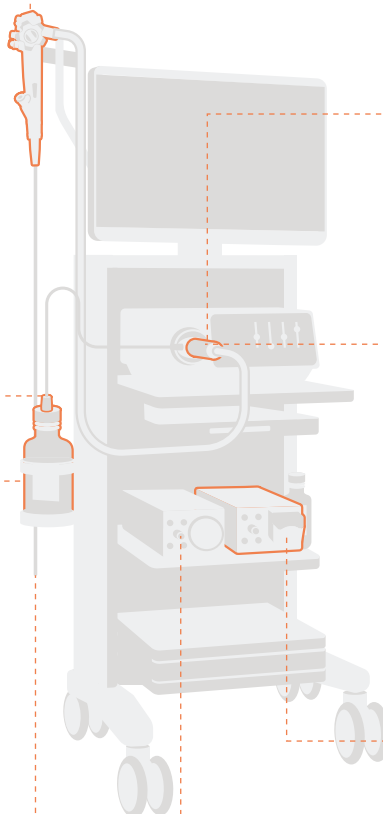
Stainless Steel Bottle Holder
502003



Air/Water Bottle Tubing with Side Port
GAR076



Air/Water Bottle Tubing with CO₂ Extend
GAR072CO2EXT



Irrigation Connector
GAR048



ThomasTrap Polyp Trap
GAR040



Irrigation Tubing
GAR083



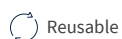
Universal Endoscope Tip Guard
GAR107



CO₂ Source Tubing Adapter
GAR093



CO₂ Source Tubing Adapter
GAR108



Reusable



For single-patient use



For 24-hour use

See page 17 for the ordering information



Ordering Information

For Olympus GI Endoscopes



**Champion
Valve Set**

101004

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

3-piece Set
Air/Water Valve, Suction Valve,
Biopsy Valve

Per box: 50 units
297 x 162 x 187 mm | 1.23 kg
Per carton: 200 units
340 x 312 x 398 mm | 9.83 kg



**Champion Valve Set
with Auxiliary Water Connector**

101046

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

4-piece Set
Air/Water Valve, Suction Valve, Biopsy Valve,
Auxiliary Water Connector

Per box: 50 units
297 x 162 x 187 mm | 1.33 kg
Per carton: 200 units
340 x 312 x 398 mm | 10.65 kg



**Champion Valve Set
with Auxiliary Water Connector &
Air/Water Cleaning Adapter**

101048

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

5-piece Set
Air/Water Valve, Suction Valve,
Biopsy Valve, Auxiliary Water Connector,
Air/Water Cleaning Adapter

Per box: 60 units
285 x 175 x 220 mm | 2.43 kg
Per carton: 80 units
300 x 370 x 470 mm | 9.71 kg



**Champion
Combo Valve Set**

101050

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

6-piece Set
Air/Water Valve, Suction Valve, Biopsy Valve,
Auxiliary Water Connector, Air/Water Cleaning Adapter,
Biopsy Port Cleaning Adapter

Per box: 40 units
285 x 175 x 220 mm | 2.72 kg
Per carton: 80 units
300 x 370 x 470 mm | 10.89 kg



For single-patient use

Ordering Information

For Fujifilm GI Endoscopes



Champion Valve Set

101087

Compatible with Fujifilm 700
GI Endoscopes

3-piece Set
Air/Water Valve, Suction Valve,
Biopsy Valve

Per box: 50 units
274 x 231 x 125 mm | 1.23 kg
Per carton: 400 units
567 x 477 x 275 mm | 9.82 kg



Champion Valve Set with Auxiliary Water Connector

101092

Compatible with Fujifilm 700
GI Endoscopes

4-piece Set
Air/Water Valve, Suction Valve, Biopsy Valve,
Auxiliary Water Connector

Per box: 50 units
274 x 231 x 125 mm | 1.29 kg
Per carton: 400 units
567 x 477 x 275 mm | 10.35 kg



Champion Valve Set with Auxiliary Water Connector & Air/Water Cleaning Adapter

101094

Compatible with Fujifilm 700
GI Endoscopes

5-piece Set
Air/Water Valve, Suction Valve,
Biopsy Valve, Auxiliary Water Connector,
Air/Water Cleaning Adapter

Per box: 60 units
274 x 231 x 250 mm | 2.31 kg
Per carton: 240 units
567 x 477 x 275 mm | 9.25 kg



Champion Combo Valve Set

101096

Compatible with Fujifilm 700
GI Endoscopes

6-piece Set
Air/Water Valve, Suction Valve, Biopsy Valve,
Auxiliary Water Connector, Air/Water Cleaning Adapter,
Biopsy Port Cleaning Adapter

Per box: 40 units
274 x 231 x 250 mm | 2.64 kg
Per carton: 160 units
567 x 477 x 275 mm | 10.54 kg



For single-patient use

Ordering Information

For Pentax GI Endoscopes New i20c Endoscope Platform



Champion Valve Set

GAR101120

Compatible with Pentax i20c
GI Endoscopes

3-piece Set
Air/Water Valve, Suction Valve,
Biopsy Valve

Per box: 50 units
274 x 231 x 125 mm | 0.95 kg
Per carton: 400 units
567 x 477 x 275 mm | 7.56 kg



Champion Valve Set with Auxiliary Water Connector

GAR101122

Compatible with Pentax i20c
GI Endoscopes

4-piece Set
Air/Water Valve, Suction Valve, Biopsy Valve,
Auxiliary Water Connector

Per box: 50 units
274 x 231 x 125 mm | 1.04 kg
Per carton: 400 units
567 x 477 x 275 mm | 8.36 kg



Champion Valve Set with Auxiliary Water Connector & Air/Water Cleaning Adapter

GAR101123

Compatible with Pentax i20c
GI Endoscopes

5-piece Set
Air/Water Valve, Suction Valve,
Biopsy Valve, Auxiliary Water Connector,
Air/Water Cleaning Adapter

Per box: 50 units
274 x 231 x 125 mm | 1.92 kg
Per carton: 240 units
567 x 477 x 275 mm | 7.66 kg



Champion Air/Water Cleaning Adapter

GAR301002

Compatible with Pentax i20c
GI Endoscopes

1-piece Set

Per box: 100 units
274 x 231 x 125 mm | 0.71 kg
Per carton: 800 units
567 x 477 x 275 mm | 6.67 kg



For single-patient use

Ordering Information

For Pentax GI Endoscopes



Champion Valve Set

101037

Compatible with Pentax
90/i10/i10c GI Endoscopes

3-piece Set
Air/Water Valve, Suction Valve,
Biopsy Valve

Per box: 50 units
274 x 231 x 125 mm | 1.20 kg
Per carton: 400 units
567 x 477 x 275 mm | 9.60 kg



Champion Valve Set with Auxiliary Water Connector

101081

Compatible with Pentax
90/i10/i10c GI Endoscopes

4-piece Set
Air/Water Valve, Suction Valve, Biopsy Valve,
Auxiliary Water Connector

Per box: 50 units
274 x 231 x 125 mm | 1.31 kg
Per carton: 400 units
567 x 477 x 275 mm | 10.47 kg



For single-patient use

Ordering Information

● Compatible with Olympus GI endoscopes ● Compatible with Fujifilm GI endoscopes ● Compatible with Pentax GI endoscopes



**Air/Water
Bottle Tubing**

GAR025

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



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

GAR025CO2EXT

Compatible with Olympus
140/160/180/190/240/260/290/
1100/1200/1500 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 | 6.03 kg



**Air/Water Bottle Tubing
with Side Port**

GAR076

Compatible with Pentax
90/i10/i10c/i20c
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



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

GAR072CO2EXT

Compatible with Pentax
90/i10/i10c/i20c
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



**Air/Water
Bottle Tubing**

GAR088

Compatible with Fujifilm
500/600 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



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

GAR088CO2EXT

Compatible with Fujifilm
500/600 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



**Air/Water
Bottle Tubing**

GAR090

Compatible with Fujifilm
700 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



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

GAR090CO2EXT

Compatible with Fujifilm
700 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

Ordering Information

● Compatible with Olympus GI endoscopes ● Compatible with Fujifilm GI endoscopes ● Compatible with Pentax GI endoscopes



Irrigation Tubing

GAR073

Compatible with Olympus OFP-2
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 OFP-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/
1100/1200/1500 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
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/i20c
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

Ordering Information



**CO₂ Source Tubing
with Luer Connector**

GAR047

Non-scope-specific

Per box: 10 units
315 x 235 x 235 mm | 1.99 kg
Per carton: 40 units
490 x 490 x 345 mm | 7.97 kg



**CO₂ Source Tubing
Adapter**

GAR093

Compatible with Olympus
UCR CO₂ 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



**CO₂ Source Tubing
Adapter**

GAR108

Compatible with Fujifilm
GW-100 Insufflator

Per box: 5 units
160 x 120 x 30 mm | 0.25 kg
Per carton: 25 units
180 x 170 x 130 mm | 1.25 kg



**Stainless Steel
Bottle Holder**

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



**Universal Endoscope
Tip Guard**

GAR107 / GAR107-S (Sterilied)

Compatible with Most of
the Endoscopes

Per box: 50 units
240 x 240 x 130 mm | 0.50 kg
Per carton: 500 units
670 x 500 x 275 mm | 6.55 kg

andorate



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

GA Health Company Limited

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