



Disposable Air/Water, Suction & Biopsy Valves, Auxiliary Water Connector and Air/Water Channel Cleaning Adapter

**Instructions for Use**

	Single sterile barrier system and sterilized using ethylene oxide		Keep dry
	Do not use if package is damaged		Keep away from sunlight
	Do not re-sterilize		Do not contain DEHP
	Not made with natural rubber latex		For Single use only. Do not re-use
	Temperature limit		Federal law (U.S.A.) restricts this device to sale, distribution and use by or on the order of a physician.
	Caution		Consult instructions for use
	Non-sterile		

**IMPORTANT INFORMATION**

Caution: Federal law restricts this device to sale by or on the order of a physician. Read all instructions carefully before use. They contain essential information on using this device safely and effectively. Keep these instructions in a safe, accessible location, as you may need to refer to them again. If you have any questions or comments about any information in these instructions, please contact Micro-Tech USA.

**INTENDED USE**

**Air/Water Valve:** This device is intended to be fitted to the air/water channel of an endoscope to enable the operator to control inflow of medical gases and water while preventing backflow.

**Suction Valve:** This device is intended to be fitted to the suction channel of an endoscope to enable the operator to control suction and manage airflow.

**Biopsy Valve:** This device is intended to be fitted to an endoscope biopsy port to enable access for/exchange of endoscopic devices while maintaining insufflation and minimizing leakage of biomaterial during an endoscopic procedure.

**Auxiliary Water Connector:** This device is intended to provide irrigation via sterile water supply during GI endoscopic procedures when used in conjunction with an irrigation pump.

**Air/Water Channel Cleaning Adapter:** This device is intended to flush liquid into the air-water channel after using rigid or flexible endoscope, before or after mechanical cleaning.

**CONTRAINDICATIONS**

- There are no known contraindications.

**WARNINGS AND PRECAUTIONS**

- The product is intended for single use only! DO NOT re-use, re-sterilize or reprocess. Re-use, re-sterilization or reprocessing may compromise the structural integrity of the device and/or lead to device failure which, in turn, may result in patient injury, illness or death. Re-use, re-sterilization or reprocessing may also create a risk of contamination of the device and/or cause patient infectious disease(s). Contamination of the device may lead to injury, illness or death of the patient. Micro-Tech assumes no liability with respect to instruments reused, or reprocessed.
- Users must carefully read and follow all instructions in the operating manuals supplied with all related equipment.
- Users should wear personal protective equipment such as gloves, gowns, face masks, goggles, etc, to minimize the risk of cross contamination.
- After use, this product may be a potential biohazard. Handle and dispose of in accordance with hospital, local and administrative laws and regulations.

- Do not use this product for any purpose other than the stated intended use. The product is supplied sterile, unless indicated otherwise.
- Do not use the product if the package is damaged.

**Product Name:**

**For Olympus® 140/160/180/190/240/260/290 series Endoscopes**

BW01-OLY3  
Disposable Air/Water, Suction and Biopsy Valve Kit

BW01-OLY4  
Disposable Air/Water, Suction, Biopsy Valves and Auxiliary Water Connector Kit

BW01-OLY5  
Disposable Air/Water, Suction, Biopsy Valves, Auxiliary Water Connector and Air/Water Channel Cleaning Adapter Kit

BW01-OLYA  
Disposable Auxiliary Water Connector

BW01-OLYC  
Disposable Air/Water Channel Cleaning Adapter – Supplied non-sterile

**For Pentax® 90K/90i/K10/i10/i10c/J10 Series Endoscopes**

BW01-PEN3  
Disposable Air/Water, Suction, Biopsy Valve Kit

BW01-PEN4  
Disposable Air/Water, Suction, Biopsy Valves and Auxiliary Water Connector Kit

BW01-PENA  
Disposable Auxiliary Water Connector

BW01-PENB  
Disposable Biopsy Valve

**For Fujifilm 700 Series Endoscopes**

BW01-FUJ3-F7  
Disposable Air/Water, Suction, Biopsy Valve Kit

BW01-FUJ4-F7  
Disposable Air/Water, Suction, Biopsy Valves and Auxiliary Water Connector Kit

BW01-FUJ5-F7  
Disposable Air/Water, Suction, Biopsy Valves, Auxiliary Water Connector and Air/Water Channel Cleaning Adapter Kit

BW01-FUJC-F7  
Disposable Air/Water Channel Cleaning Adapter– Supplied non-sterile

**For Fujifilm 500&600 Series Endoscopes**

BW01-FUJ3-F56  
Disposable Air/Water, Suction, Biopsy Valve Kit

BW01-FUJ4-F56  
Disposable Air/Water, Suction, Biopsy Valves and Auxiliary Water Connector Kit

BW01-FUJ5-F56  
Disposable Air/Water, Suction, Biopsy Valves, Auxiliary Water Connector and Air/Water Channel Cleaning Adapter Kit

BW01-FUJC-F56  
Disposable Air/Water Channel Cleaning Adapter– Supplied non-sterile

**For Fujifilm 500&600&700 Series Endoscopes**

BW01-FUJA  
Disposable Auxiliary Water Connector

**For Olympus® 140/160/180/190/240/260/290 series and Fujifilm 500&600&700 Series Endoscopes**

BW01-OLYB  
Disposable Biopsy Valve

**Production Date:** See packaging

**Shelf Life:** See packaging

## **PREPARATION**

- Inspect the package before use for any damage. Do not use if package is damaged. Open the package carefully after verifying the shelf life.
- If this device shows any signs of damage, do not use. Do not attempt to repair a nonfunctional or damaged device.

## **INSTRUCTIONS FOR USE**

### **Suction Valve**

1. Insert the suction valve into suction cylinder of an endoscope.
2. Twist valve slightly to seat in proper orientation within the cylinder.
3. Confirm that the valve fits securely and that there is no gap between the valve end cap and the endoscope.  
**Note:** The suction valve should not be able to be rotated once it is fully inserted into the cylinder.
4. Actuate the valve by pressing and releasing a few times to confirm smooth function.  
**Note:** Dipping in water may facilitate ease of use

### **Air/Water Valve**

5. Insert the air/water valve into the air/water cylinder of an endoscope.
6. Confirm that the valve fits securely and that there is no gap between the valve end cap and the endoscope.
7. Actuate the valve by pressing and releasing a few times to confirm smooth function.  
**Note:** Dipping in water may facilitate ease of use

### **Biopsy Valve**

8. Securely place the biopsy valve onto the biopsy/suction channel opening of an endoscope.  
**Note:** This biopsy valve does not accommodate a luer-lock syringe without an irrigating adaptor.
9. Close the lid when there is not a need to pass a device through the channel.

### **Auxiliary Water Connector**

10. For irrigation tubing, attach the Auxiliary Water Connector to the auxiliary water port by screwing it onto the port. When attaching the scope adapter to the port, take care to ensure that the scope adapter is aligned to the port and avoid excessive tightening. Misalignment or excessive tightening of the scope adapter could lead to the possibility of leakage.
11. Attach irrigation tubing to the Auxiliary Water Connector. The Auxiliary Water Connector is manufactured with a one-way valve to minimize the risk of cross-contamination of the irrigation system.
12. After endoscope use, remove and discard the air/water, suction, biopsy valves and the Auxiliary Water Connector after each patient use.

### **Air/Water Channel Cleaning Adapter**

13. Turn off the airflow regulator on the light source after initial rinsing of scope (per facility guidelines).
14. Insert the Air/Water Channel Cleaning Adapter into the air/water cylinder on scope handle.
15. Place the distal end of the scope into a basin of water.
16. On the light source, turn on the airflow regulator and set it to a maximum output of "high."
17. Depress the Air/Water Channel Cleaning Adapter for the recommended time for 30 seconds, which flushes the air/water channel with water.
18. Release the Air/Water Channel Cleaning Adapter.
19. Keep the distal end of the scope in the basin of water.
20. Flush air for 10 seconds. Air bubbles will be seen in the basin of water.
21. Turn off the air/flow regulator on the light source.
22. Remove distal end of scope from basin of water.
23. Remove the Air/Water Channel Cleaning Adapter from scope after precleaning step is completed.
24. Discard the Disposable Cleaning Adapter.

## **STORAGE**

The product should be stored in a cool, dry, clean, well-ventilated, non-corrosive gas environment. Do not expose the package to organic solvent, ionizing radiation, or ultraviolet radiation.

## **PRODUCT DISPOSAL**

After use, this product may be a potential biohazard. Handle and dispose of in accordance with hospital, local and administrative laws and regulations.

## **Limited Warranty and Disclaimers**

1. Limited Warranty to Buyer. Micro-Tech USA warrants to Buyer that, for the earlier of one (1) year from the date of purchase, or until the product is used by Buyer. The products will be free from defects in materials and workmanship when stored and used in accordance with the instructions for storage and use provided by Micro-Tech USA and in accordance with applicable regulatory requirements. Descriptions or specifications appearing in Micro-Tech USA's literature are meant to generally describe the products and do not constitute any express warranties. In the event that Micro-Tech USA gives technical advice with respect to the product, it is agreed that such advice is given without any liability on Micro-Tech USA's part. Any guarantee of specific properties of or in the products shall only be effective if and to the extent specifically confirmed by Micro-Tech USA in writing. These warranties shall not apply for product failure or deficiency due to improper storage, alteration, or the consequences of uses for which the products were not designed or that adversely affect the products' integrity, reliability, or performance.
2. Disclaimer and Release. THE WARRANTIES, OBLIGATIONS, AND LIABILITIES OF Micro-Tech USA AS SET FORTH HEREIN ARE EXCLUSIVE. BUYER HEREBY WAIVES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, WITH RESPECT TO THE PRODUCTS AND ANY OTHER GOODS OR SERVICES DELIVERED BY BUYER, INCLUDING, BUT NOT LIMITED TO: (1) ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND (2) ANY IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR USAGE OF TRADE.
3. Implied Warranties. The purchase of products may be subject to laws in the territories applicable to the sale of the products by Micro-Tech USA to Buyer that impose implied warranties, conditions, or obligations that cannot be excluded, restricted, or modified, or can only be excluded, restricted, or modified to a limited extent. The provisions of Paragraphs 2 and 4 shall apply to the greatest extent allowed by such laws.
4. Limitation of Liability. Except to the extent prohibited by applicable law, Micro-Tech USA's liability under this warranty is limited to: (a) the replacement of the products or the resupply of equivalent products; (b) the repair of the products or payment of the cost of repairing the products; or (c) payment of the cost of replacing the products or acquiring equivalent products. Micro-Tech USA shall have no obligation or liability, whether arising in contract (including warranty), tort (including active, passive, or imputed negligence, strict liability, or product liability) or otherwise, for any special, consequential, punitive, incidental, or indirect damages, or for loss of use, loss of revenue, loss of business, lost profit, or other financial loss arising out of or in connection with any product or other goods or services furnished by Micro-Tech USA, even if Micro-Tech USA was aware of the possibility of such damages or loss.



### **Manufactured for:**

Micro-Tech USA Inc.  
2855 Boardwalk Drive,  
Ann Arbor, MI 48104 USA  
Tel: 734-259-3768  
Toll free: 877-552-4027  
info@micro-tech-usa.com  
Made in P.R. China

\*All trademarks are the property of their respective owners.