

# BullDog®

## Disposable Endoscope Valves Set

*Instructions for Use.*

*Read carefully prior to use.*

# Diversatek™

## Healthcare

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For Olympus® 140/ 160/ 180/ 190/ 240/  
260/290 Series GI Endoscope

<b>REF</b>	<b>Part Number</b>	<b>Description</b>
	1195-22*	Auxiliary Water Jet Connector, Sterile
	1203-70	Set of Air/Water, Suction Valve, Sterile (2 - piece kit)
	1203-71	Set of Air/Water, Suction & Biopsy Valve, Sterile. (3-piece kit)
	1203-72*	Set of Air/Water, Suction, Biopsy Valve, & Auxiliary Water Jet Connector, Sterile (4-piece kit)
	1203-73*	Set of Air/Water, Suction, Biopsy Valve, Auxiliary Water Jet Connector and Air/Water Channel Cleaning Adapter, Sterile (5-piece kit)
	1203-60	Air/Water Channel Cleaning Adapter, Non-Sterile

\*Excludes Olympus® 140 Series GI Endoscope

### INTENDED USE

The single use BullDog® Air/Water Valve is used to control the air /water function of an endoscope during GI endoscopic procedures.

The single use BullDog® Suction Valve is used to control the suction function of an endoscope during GI endoscopic procedures.

The single use BullDog® Biopsy Valve is used to cover the opening to the biopsy/suction channel of Olympus® gastrointestinal endoscopes. The BullDog® Biopsy Valve provides access for endoscopic device passage and exchange, helps maintain insufflation, minimizes leakage of biomaterial from the biopsy port through the endoscopic procedure and provides access for irrigation.

The single use BullDog® Auxiliary Water Jet Connector is used in conjunction with irrigation tubing, intended to provide irrigation via irrigation fluids such as sterile water supplied to the Olympus® GI endoscope during gastrointestinal endoscopic procedures when used in conjunction with an irrigation pump.

The BullDog® Auxiliary Water Jet Connector is manufactured with a one-way valve to minimize the risk of cross-contamination of the irrigation system.

The single use BullDog® Air/Water Channel Cleaning Adapter is intended as part of the precleaning process, to help clear the air/water channel of Olympus® GI endoscopes post procedure.

### WARNINGS AND PRECAUTIONS

**These devices are intended to be used with Olympus® GI Endoscopes \*\*EXCLUDING Olympus® echoendoscopes that utilize a balloon channel\*\***

(Follow the Olympus® guidelines for air/water/suction use in the Olympus® endoscopes)

- This disposable medical device is intended for single patient use only.
- These devices were not designed to be reprocessed or reused, and therefore cannot verify that reprocessing can clean and/or sterilize or maintain the structural integrity of these devices to ensure patient and/or user safety.
- These disposable medical devices are not intended for reuse. Any institution, practitioner, or third party, who reprocesses, refurbishes, remanufactures, reesterilizes, and or reuses these disposable medical devices must bear full responsibility for their safety and effectiveness.
- Endoscopic procedures should only be performed by persons having adequate training and familiarity with endoscopic

techniques.

- Consult the medical literature relative to techniques, contraindications, complications, and hazards prior to any endoscopic procedure.
- When handling these devices use appropriate aseptic technique.

### **BullDog® Air/Water & Suction Valves:**

- Make sure the holes in the air/water and suction valves are not clogged or blocked. (This could cause continuous air/CO<sub>2</sub> flow, or inadequate suction.)

### **BullDog® Biopsy Valve:**

- Do not use a sharp or pointed object to prime the valve prior to use.
- Do not leave a device hanging from the valve. Doing so can cause the creation of a larger valve slit/hole that may cause leakage.
- If the lid of the valve is opened while attached to the endoscope during a procedure, scope suction will be compromised, and leakage may occur.
- If leakage occurs, sterile gauze should be used to cover the valve.

### **BullDog® Auxiliary Water Jet Connector:**

- Never attach or reattach the Auxiliary Water Jet Connector to an endoscope that is/was inside the patient and has not been reprocessed.
- Do not insert this device into the patient. The device should be attached to the auxiliary water port of a flexible gastrointestinal endoscope and an irrigation source. Use proper techniques to avoid risk of aspiration of a patient.
- Always prime the auxiliary water channel or biopsy channel prior to inserting the endoscope into the patient.

### **BullDog® Air/Water Channel Cleaning Adapter:**

- Do Not Use the device during patient procedures. Continuous air flow could cause patient injury. In addition, insufficient aspiration, and leakage cause cross-contamination.
- Endoscopic cleaning procedures should only be performed by persons having adequate training with endoscope cleaning techniques.

### DIRECTIONS FOR USE

1. Prior to clinical use, familiarize yourself with the device and read all the Instructions for Use.
2. Inspect the package for shipping or handling damage. If damage is evident, DO NOT USE THIS DEVICE. Contact your local sales representative.

### BullDog® Suction Valve:

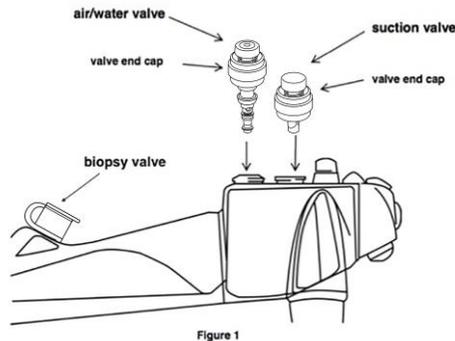
3. Remove the suction valve from the tray.
4. Insert the suction valve into suction cylinder of an Olympus® endoscope (see Figure 1 below).
5. Twist valve slightly to seat in proper orientation within the cylinder.
6. Confirm that the valve fits securely and that there is no gap between the valve end cap and the endoscope.  
**Note:** The valve should not be able to be rotated once it is fully inserted into the cylinder.
7. Actuate the valve by pressing and releasing a few times to confirm smooth function.

### BullDog® Air/Water Valve:

8. Remove the air/water valve from the tray.
9. Insert the air/water valve into the air/water cylinder of an Olympus® endoscope (see Figure 1 below).
10. Confirm that the valve fits securely and that there is no gap between the valve end cap and the endoscope.
11. Actuate the valve by pressing and releasing a few times to confirm smooth function.

### BullDog® Biopsy Valve:

12. If using the 3-piece, 4-piece or 5-piece kit (See Figures 1 and 2), attach the BullDog® Biopsy Valve.
13. Securely place the biopsy valve onto the biopsy/suction channel opening of an Olympus® endoscope (See Figure 1).  
**Note:** This biopsy valve does not accommodate a luer-lock syringe without an irrigating adapter.
14. Close the lid when there is not a need to pass a device through the channel
15. When the device diameter is over 3.2 mm, open the lid and pass the device through the hole into the biopsy/suction channel.



### BullDog® Auxiliary Water Jet Connector:

16. Attach the Auxiliary Water Jet Connector to the Irrigation Tubing. For use of the Irrigation Tubing, reference the specified Instructions for Use.
17. Attach the Auxiliary Water Jet Connector to the auxiliary

water port by screwing it onto the port (See figure 2). When attaching the Auxiliary Water Jet Connector to the port, take care to ensure that the Auxiliary Water Jet Connector is aligned to the port and avoid excessive tightening. Misalignment or excessive tightening of the Auxiliary Water Jet Connector could lead to the possibility of leakage. Once the Auxiliary Water Jet Connector is attached to the auxiliary port of the endoscope, attach the irrigation tubing to the Auxiliary Water Jet Connector.

18. In the case there is any leakage due to misalignment or excessive tightening, replace with a new BullDog® Auxiliary Water Jet Connector.
19. Discard the Auxiliary Water Jet Connector after each patient use.

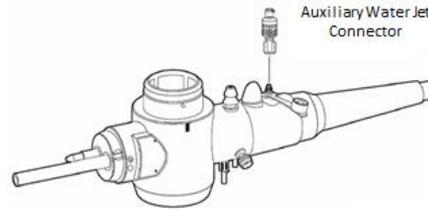


Figure 2

### BullDog® Air/Water Channel Cleaning Adapter:

20. Turn off the airflow regulator on the light source after initial rinsing of scope (per facility guidelines).
21. Remove the air/water valve from the endoscope.
22. Insert the Air/Water Channel Cleaning Adapter into the air/water cylinder on the control body of the endoscope.
23. Place the distal end of the scope into a basin of water.
24. On the light source, turn on the airflow regulator and set it to a maximum output of “high”.
25. Depress the BullDog® Air/Water Channel Cleaning Adapter for 30 seconds.

**Note:** This flushes the air/water channel with water.

26. Release the BullDog® Air/Water Channel Cleaning Adapter.
27. Keep the distal end of the scope in the basin of water.
28. Flush air for 10 seconds.  
**Note:** Air bubbles will be seen in the basin of water.
29. Turn off the airflow regulator on the light source.
30. Remove distal end of the endoscope from the basin of water. Remove the BullDog® Air/Water Channel Cleaning Adapter from the endoscope after the precleaning step is completed.

### PRODUCT DISPOSAL

After use, this product may be a potential biohazard. Handle and dispose of in accordance with accepted medical practice and applicable local, state, and federal laws and regulations.

### WARNING

An issued or revision date for these instructions is included for the user's information. In the event that two years have elapsed between this date and product use, the user should contact Diversatek Healthcare to determine if additional information is available.

Olympus® is a registered trademark of Olympus Corporation.

Diversatek™ Healthcare is a trademark of Diversatek Inc.

BullDog® is a registered trademark of Diversatek Healthcare.

**Rx Only (U.S.A.) Federal law (U.S.A.) restricts this device to sale, distribution and use by or on the order of a physician.**

### EXPLANATION OF SYMBOLS USED ON LABELS AND

#### INSTRUCTIONS FOR USE

	Use-by-date
	Lot number/Batch code
	Sterilized Using Ethylene Oxide (Part# 1195-22, 1203-70, 1203-71, 1203-72, and 1203-73)
	Non-Sterile Device (Part# 1203-60)
	Do Not Re-Use
	Do Not Re-Sterilize
	Not made with natural rubber latex
	Part number
	Consult Instructions For Use
	Do not use if package is damaged
	Store at controlled room temperature
	Keep dry
	Keep away from sunlight