

# BRONCHOSCOPE CLEANING GUIDE

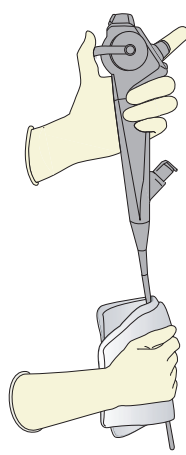
EXERA (160), EXERA II (180) & EXERA III (190) Bronchovideoscopes

— Refer to companion *BRONCHOSCOPE DISINFECTION GUIDE* for disinfection information —

**WARNING:** This guide is only a summary of the steps necessary to properly clean your bronchoscope. Be sure to follow the detailed steps outlined in the *ENDOSCOPE REPROCESSING MANUAL* that was included with your bronchoscope purchase.

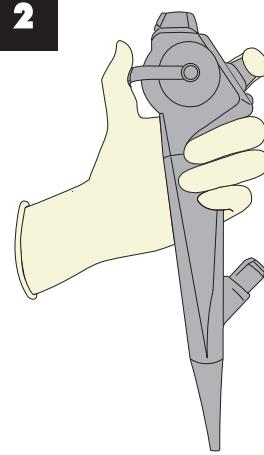
## PRECLEANING – Immediately after use

**1**



Wipe down the insertion tube with a detergent-soaked cloth.

**2**

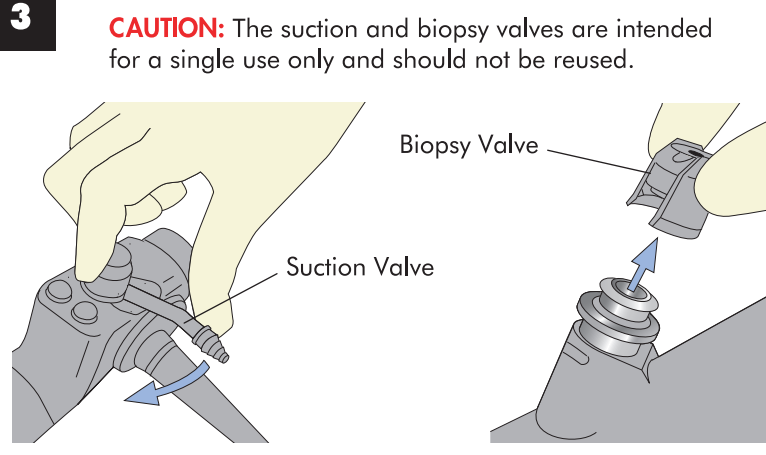


① Water or Detergent  
② Suction Air

Using the suction valve, aspirate water or detergent, then air, through the suction channel.

**3**

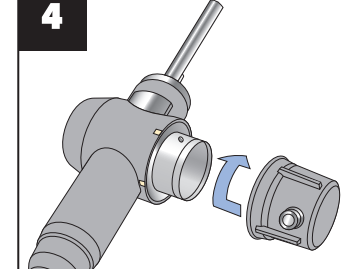
**CAUTION:** The suction and biopsy valves are intended for a single use only and should not be reused.



Biopsy Valve  
Suction Valve

Remove the suction valve by rotating clockwise. Remove biopsy valve by first tearing the tab and then lifting off. Discard both valves.

**4**

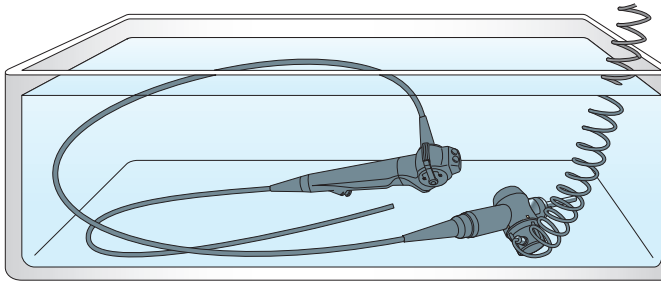


Attach the water-resistant cap to the electrical connector. This step is omitted for 190 endoscopes. Transport to the reprocessing room in a covered container.  
**NOTE: Ensure that the ETO cap is removed prior to leak testing 190 generation scopes.**

## LEAKAGE TESTING

**5**

**CAUTION:** If a leak is detected, the bronchoscope must be repaired. Follow manufacturer's instructions.

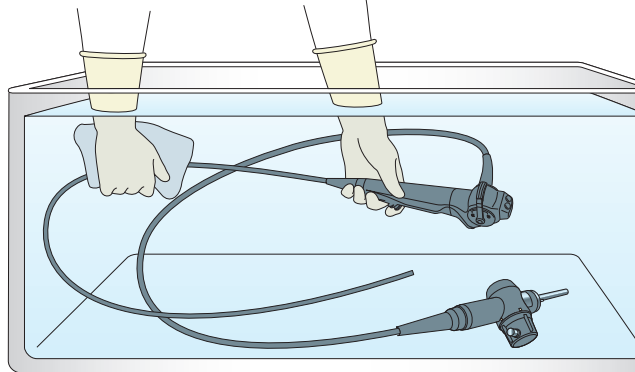


Attach leakage tester. Turn on the pump. Prior to immersion, confirm bending section has expanded. Immerse entire endoscope in clean water. Perform leakage test. Angulate tip during test. Remove from water. Detach tester after tip has deflated.

## MANUAL CLEANING

**6**

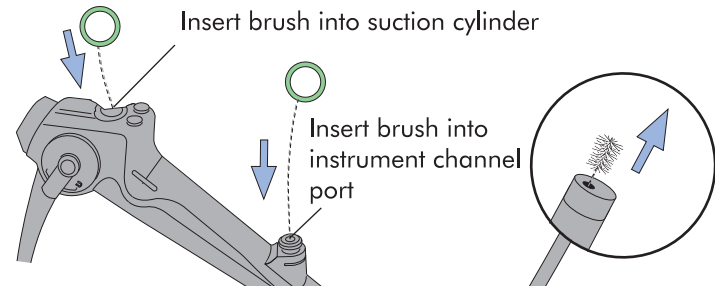
**WHILE IMMERSSED:**



Immerse in freshly prepared detergent solution. Clean all external surfaces and brush the bronchoscope's distal tip.

**7**

**WHILE IMMERSSED:**

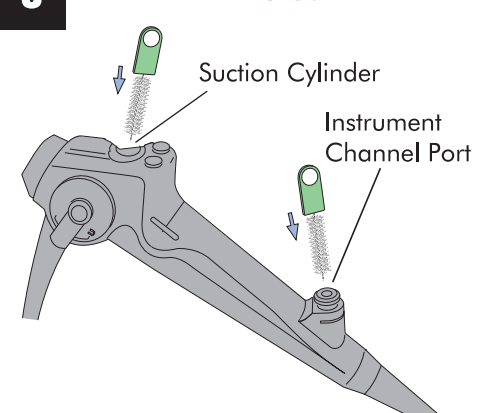


Insert brush into suction cylinder  
Insert brush into instrument channel port

Use the channel-cleaning brush (BW-15B / BW-201) or single-use combination cleaning brush (BW-411B) to brush all channels. Repeat until all debris is removed. **NO TE:** The BF-3C1 60 and BF-XP160F require two different cleaning brushes. Use the BW-7B channel cleaning brush to brush the channels from both openings. Use the BW-15SH suction connector brush to clean the suction cylinder. The BW-15B brush is not used on these models.

**8**

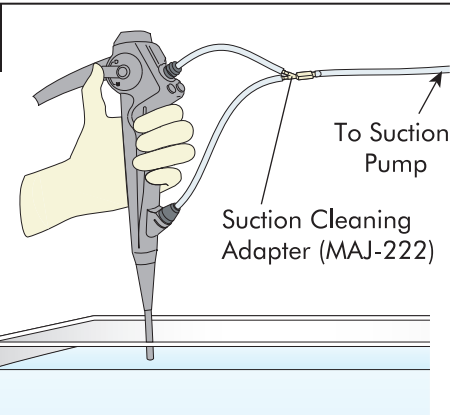
**WHILE IMMERSSED:**



Suction Cylinder  
Instrument Channel Port

Use the channel-opening cleaning brush (MH-507/MAJ-1339) to brush the suction cylinder and instrument channel ports. Repeat until all debris is removed.

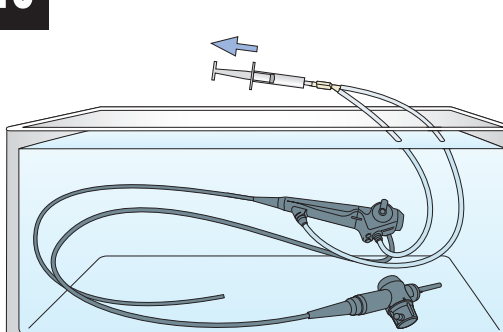
**9**



To Suction Pump  
Suction Cleaning Adapter (MAJ-222)

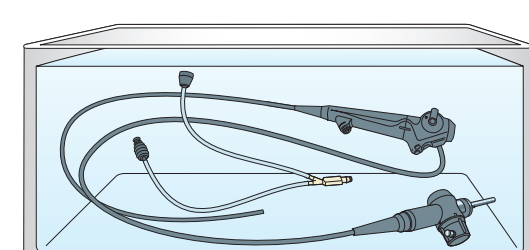
Attach suction cleaning adapter to bronchoscope. Attach a suction tube from a suction pump. Aspirate detergent solution through the bronchoscope for 30 seconds.

**10**



Attach a syringe to the suction cleaning adapter. Pull the plunger of the syringe to aspirate detergent solution into the instrument/suction channels.

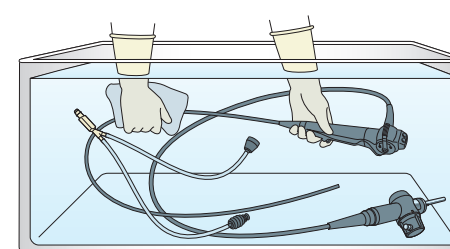
**11**



Detach the adapter. Soak the bronchoscope and adapter in detergent solution for the time recommended by the detergent manufacturer.

## RINSING

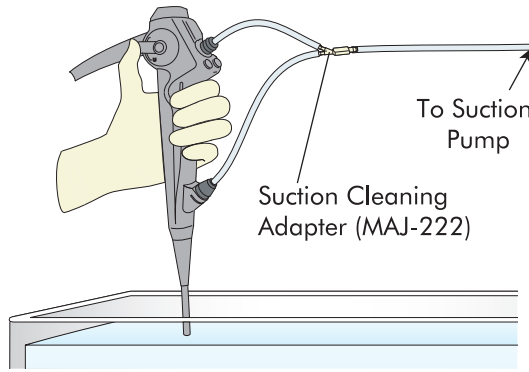
**12**



Immerse the entire instrument and gently agitate to rinse.

**13**

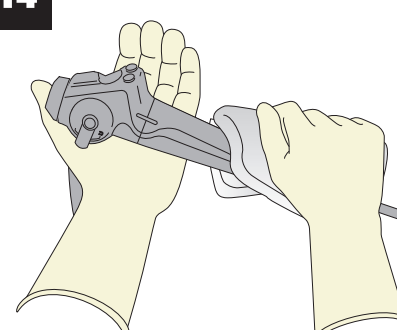
**WHILE IMMERSSED:**



To Suction Pump  
Suction Cleaning Adapter (MAJ-222)

Attach suction cleaning adapter to the bronchoscope. Attach a suction tube from a suction pump. Aspirate clean water through the bronchoscope. Remove from water and aspirate air.

**14**



Use a soft, lint-free cloth to remove excess moisture from the bronchoscope and accessories in preparation for disinfection.

## IMPORTANT

- Wear a appropriate personal protective equipment.
- Meticulous cleaning is essential for effective disinfection.
- Be sure to reprocess all accessories according to the reprocessing manual.
- Visually inspect the equipment after cleaning. If debris remains, repeat the process.
- Inspect the MB-155 (Leakage Test Connector) for signs of damage prior to use.

**Follow cleaning with appropriate high-level disinfection or sterilization.**