



# ENDOSCOPE WASHERS AND DISINFECTION LINE





## ECONOMIC MODEL ES-MTW01

*ES-MTW01 has wide chamber which can offer more perfect disinfection and washing. Optional features of ES-MTW01 are function of print, detergent, digital leakage test and air gun.*

*ES-MTW01 guarantees the best specifications which ensure perfect washing and disinfection of endoscopes and their accessories.*

*The digital leakage test and dual flooding prevention system of chamber give users a convenient and safe use of ES-MTW01.*

### *Optional*

- Printer
- Detergent feature
- Digital leakage tester
- Air gun feature



#### **Disinfectant usage count**

*It shows users how many times disinfectant is used.*



#### **Efficient chamber**

*It is optimized to wash and disinfect an endoscope.*



#### **Multi connectors for Endoscope**

*Installed and expanded chamber in which user can place endoscope easily.*



#### **Alcohol features**

*Installed easily detachable alcohol bottle.*

### Technical Data

**In-tube leakage tester:** Waterproof mode (Optional Digital leakage tester)

**Time settings:** Washing time (user setting) 10sec. - 90 sec.

Disinfection time (user setting) 10sec. - 90min and 90sec.

**Tank capacity:** Alcohol 1L (Optional Detergent tank 1L)

Disinfectant 9L

**Pump:** Leakage check pump, Air pump, Drain pump, Disinfectant pump

**Chamber capacity:** About 9L

**Connector:** 1 Outlet for leakage tester (optional 1 outlet for Digital leakage tester)

2 Outlet for cleaning

**Discharge:** 1 Outlet for disinfectant draining

**Electrical requirements:** AC220V, 50/60Hz

**Electric consumption:** 400W

**Dimension and weight:** 515(W)\*730(L)\*973(H) mm / 58Kg



# MIDDLE LEVEL MODEL ES-WELL1

*ES-WELL1 has wide chamber which can offer more perfect disinfection and washing. Optional features of ES-WELL1 are function of detergent, alcohol, print and ater filter. ES-WELL1 guarantees the best specifications which ensure perfect washing and disinfection of endoscopes and their accessories. The digital leakage test and dual flooding prevention system of chamber give users a convenient and safe use of ES-WELL1.*

- Printer
- Alcohol and Detergent
- Digital leakage tester
- Disinfectant usage count
- 3 powerfull pumps for washing



### Double water and disinfectant detection system within chamber

- Both mechanic and electronic overflow prevention system within chamber
- Solved overflow issues of previous model, through double prevention system
- Dramatically reduced failure rate by using electrode sensors in addition to the float sensor



### Multi connectors for Endoscope

*Installed and expanded chamber in which user can place endoscope easily.*



### Efficient chamber

*It is optimized to wash an endoscope.*



### Efficient chamber

*It is optimized to wash an endoscope.*



### Alcohol and detergent features

*Installed easily detachable alcohol and detergent bottle.*

## Technical Data

**In-tube leakage tester:** Digital air mode and Waterproof mode

**Time settings:** Washing time (user setting) 10sec. - 90 sec.

Disinfection time (user setting) 10sec. - 90min and 90sec.

**Tank capacity:** Disinfectant 15L, Alcohol 1L, Detergent 1L

**Pump:** Leakage check pump, Air pimp, Drain pump, Disinfectant pump

**Chamber capacity:** About 12L

**Connector:** 1 Outlet for leakage tester, 4 Outlet for cleaning case

**Discharge:** 1 Outlet for disinfectant draining

**Electrical requirements:** AC 220-240V, 50/60Hz

**Electric consumption:** 400W

**Dimension and weight:** 604(W)\*604(L)\*992(H) mm / 58Kg





# MIDDLE-HIGHER LEVEL MODEL ES-IRIS7

*ES-IRIS7 is an automatic endoscope washer and disinfectant. ES-IRIS7 guarantees the best specifications such as high performance pumps, micro water filter, Ultrasonic washing and function for heating disinfectant. Above specifications ensure perfect washing and desinfection of endoscopes and their accessories. The Automatic open/close door, the digital leakage test and dual flooding prevention system of chamber give users a convenient and safe use of ES-IRIS7. The self actuating valve and modular main-board are the results of extensive research and experience.*



- LCD monitor
- Automatic open/close chamber cover
- Digital leakage tester
- Printer
- Alcohol and detergent
- Water filter (1 micron)



### Ultrasonic cleaning system

*-Superior ultrasoni cleaning  
-Vibrations caused by ultrasonic equipment allow for perfect cleaning and rinsing.*



### Thermostat

*High speed desinfection heating maintain 20°C-30°C temperature for optimal disinfectant condition  
Temperature displayed on LCD panel.*



**Automatic door open/close by button with the knee.**



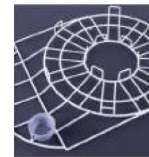
### Water quality control

*-Installed micro water filters made from carbon  
-VM-technology has learned the effects that water quality can have an effect on washing and disinfection through extensive cleaners.*



### Print unit

*-The whole process including wash time, rinse time, disinfection time for each wash can be printed.  
-Printing the number of disinfection cycle.*



**Endoscope stainless tray**



### Alcohol and detergent features

*Installed easily detachable alcohol and detergent bottle.*



### Injection-molded chamber and lid

*The only injection-molded endoscope cleaner that it's durability is superior.*



**Multi connectors for Endoscope**

## Technical Data

**In-tube leakage tester:** Digital air mode and Waterproof mode

**Time settings:** Washing time (user setting) 1sec. - 59min and 59sec.

Disinfection time (user setting) 1sec. - 59min and 59sec.

**Tank capacity:** Disinfectant 18L, Water 9L, Alcohol 1L, Detergent 1L

**Pump:** Leakage check pump, Air pimp, Drain pump, Disinfectant pump, Water pump

**Chamber capacity:** About 12L

**Water filtration:** Pre-filter (1 micron, carbon filter)

**Disinfectant temperature:** 20°C - 30°C

**Connector:** 1 Outlet for leakage tester, 6 Outlet for cleaning case

**Discharge:** 1 Outlet for disinfectant draining

**Electrical requirements:** AC 220-240V, 50/60Hz

**Electric consumption:** 300W (max 1.300W)

**Dimension and weight:** 555(W)\*730(L)\*980(H) mm / 86Kg



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