

Be sure to read this instruction manual before using this product. Keep this manual available for reference when needed.

## Instructions for Use

Trade Name: Irrigator

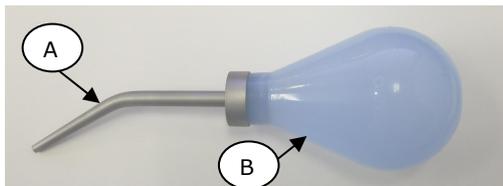
### Warning

1. Please read these instructions carefully prior to using this product. Product should be used according to these instructions and pay close attention to the safety of patients. Not doing so may give rise to serious problems or adverse events.
2. For the US market  
Do not reuse the device when it is used on a patient with, or suspected of having Creutzfeldt-Jakob Disease (CJD) or variant CJD (vCJD).
3. For the markets outside the US  
When the device is used on a patient with, or suspected of having CJD or vCJD, make sure to adhere to the most recent and updated restrictions available in each country and/or region for its reuse. Be cautious of the possibility of secondary infection. Refer to [www.a-k-i.org](http://www.a-k-i.org) or AAMI Standard ST79 for more information related to cleaning and sterilization.

### Contraindication / Prohibition

1. Prohibition of use of chemicals  
Avoid exposing this product to chemicals. Doing so could damage this product due to corrosion.
2. Handle with care  
Handle this product with care, as it can be deformed or damaged. Rough handling could significantly reduce the service life of devices and appliances.
3. Prohibition of use of polishing powder and wire wool  
When cleaning this product, do not attempt to polish its surfaces with rough polishing powder or wire wool. This could cause scratches on the surface of this product and result in rust or corrosion.
4. Prohibition of use of alkaline, acid, and household detergents  
Use only medical neutral detergents (pH 6 to 8) to clean this product. Do not use any alkaline, acid, or household detergent. Washing this product with an improper detergent could result in discoloration or corrosion.
5. Do not use low temperature hydrogen peroxide gas plasma sterilization.  
This product is not suitable for sterilization with hydrogen peroxide low temperature gas plasma. It may discolor the surface of the product or affect the feature of the product.

### Shape / Structure



Material: Stainless Steel, Silicone Rubber

	Code No.	Product Description
—	07-007-45	Translucent Irrigator (Blue)
A	07-007-47	Nozzle for Translucent Irrigator
B	07-115-12	Bulb for Translucent Irrigator

### Intended Purpose

This product is intended for use in the surgical setting for irrigating to deliver sterile irrigation solution. It is reusable and manually operated by hands.

### Instructions for use

Before using this product, inspect, wash, and sterilize in accordance with these instructions.

### Caution

1. Warning  
Device must be sterilized by users in accordance with our recommended sterilization procedures or the validated sterilization conditions which validity is proven by medical organizations in each country or region.
2. Defect/Adverse event  
Defect
  - Corrosion or pitting caused by use of chemicals
  - Damage or breakage caused by the corrosion or pitting
 Adverse event
  - Broken pieces of metal from the damaged instrument falling into the patient.

### Storage/Life

1. Do not store the device in high temperature areas. Do not store in areas of high humidity where the temperature may vary wildly causing condensation. Do not store on or near chemicals.
2. Service life of this product: 7 years  
(Subject to the specified maintenance, inspection, and proper storage)

### Maintenance / Inspection

#### Checking matters before use

1. Operational and functional checks  
Conduct daily and pre-operation checks of this product to make sure that it works properly.

#### Checking matters after use

1. Immediate washing with clean water
  - 1.1 Wash and rinse with clean water immediately and immerse in neutral enzyme detergent in case the device is exposed to bleach or antiseptic solution, which may contain chlorine or iodine. Then remove all the contaminated matter by hand or an ultrasonic-cleaner.
  - 1.2 Remove any remaining contamination with a brush.
  - 1.3 Select a proper detergent for each decontamination method and maintain appropriate density and handling. Use of a neutral detergent is recommended.
  - 1.4 Use a soft towel, a plastic brush, or a water jet for cleaning.
  - 1.5 Do not use a metal brush, coarse polishing agents, or apply excessive force when handling the device.
  - 1.6 Use distilled water or deionized water (reverse osmosis) to wash this product.
  - 1.7 Use fully deionized water (reverse osmosis) for final rinse.
  - 1.8 Also use the washer disinfectant as recommended for this device.
2. Fully dry this product immediately after washing.
  - 2.1 After cleaning, fully rinse for more than 5 minutes, with warm or cold water without any additives.
  - 2.2 Dry this product immediately after washing it. Do not leave it wet for a longer time than necessary.

3. Use distilled or deionized water.

Use distilled or deionized water to wash this product. Residual chlorine and organic matters from standard tap water may cause stains and may cause rusting.

4. Use a water-based anticorrosive lubricant

Lubricating oil is completely removed by washing. After washing this product, apply a water-based, anticorrosive lubricant prior to sterilization.

#### **Sterilization**

Device must be sterilized by users in accordance with validated sterilization procedures, such as an autoclave, that are regulated by medical organizations in each country or region.

Sterilization of the device may be accomplished by steam. The recommended sterilization parameters are as follows,

ISO17665-2	
Temp.	Minimum exposure time
121°C / 249.8°F	15 Min
126°C / 258.8°F	10 Min
134°C / 273.2°F	3 Min

#### **For the US market**

FDA has not approved or cleared medical devices, including sterilizers, for the intended use of reducing the infectivity of TSE agents (i.e., prions).

#### **For the markets outside the US**

When the device is used on a patient with, or suspected of having CJD or vCJD, make sure to adhere to the most recent and updated restrictions available in each country and/or region for its reuse.

#### **Packing**

1 piece per pack

#### **Maintenance and check by agents**

For safety use of this instrument, conduct periodic checks by the manufacturer or the agent recognized by the manufacturer. Maintenance and check by other agents could cause the adverse events and the decrease of the performance and the function. To schedule the periodic check, contact your local distributor or the manufacturer.

#### **Matters related to warranty period**

MIZUHO Corporation will repair defective parts of this product without charge for one year from the date of delivery/installment except for cases of damage caused by a third party's repair, act of nature, improper use or damage on purpose. All other warranty terms and conditions are subject to regulations of MIZUHO Corporation.

#### **Name and address of manufacturer**



MIZUHO Corporation  
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