**SYSTEM OPERATION**

### Daily Maintenance

1. Check and refill detergent reservoir if used.
2. Clean detergent reservoir if using diluted solution.
3. Refill alcohol reservoir if necessary.
4. Wipe basins with lint-free cloth.

### Weekly Maintenance

1. Lubricate the connector O-ring in the leak test hookup with silicone oil.
2. Check and clean the reusable disinfectant mesh filter.

### Monthly

1. Lubricate the connector O-ring in all DSD EDGE™ Reprocessor hookups with silicone oil.
2. Replace air filter.

### Three Months

1. Replace 0.2 micron water filter every 6 months or if below 40 psi and run waterline disinfection.

### Six Months

1. Replace 1 micron and 0.45 micron water filters every 6 months or if below 40 psi.

### Error Reports

1. Review interruptions caused by sensors: lid, fluid, air flow, basin level, reservoir levels, thermistors.

### MAINTENANCE TROUBLESHOOTING

**Run the Reprocessing Cycle**

1. Place floating lid on the basin. Verify endoscope or hookup does not contact floating lid and close reprocessor lid.
2. Press “Station Select” and choose Station A or B.
3. Press “ID DATA” button and enter ID data (if applicable): serial number, operator ID, patient ID, physician ID.
4. Select disinfection program and press START.
5. Verify fluid flows through hookups, endoscope channels and from distal end and that there are no leaks.

**Complete the Reprocessing Cycle**

1. Test RAPICIDE™ PA Disinfectant with test strip to confirm potency. Press “HLD Pass” if test strip passed. “HLD Fail” if failed.
2. Confirm endoscope ID number on print out is correct, and “Completed” is documented.
3. Remove floating lid, disconnect hookup and remove endoscope. If any hookup component connection is loose or disconnected during the cycle, endoscope must be reprocessed.
4. Store hookup and reprocessed endoscope with all removable parts detached.

**End of Day Shutdown**

1. Close incoming water line.
2. Sanitize upper basins and basin lids with an EPA-registered sanitizer.

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INTENDED USE AND GUIDELINES

Intended Use
1. Intended Use - High level disinfection of flexible immersible endoscopes.
2. Operator Safety Overview - Appropriate PPE - mask, gown, gloves, eye protection.

Guidelines for Reliable Disinfection
1. Detergent Solution - (Optional) used in the pre-wash cycle. Must be low-foaming, free-rinsing, neutral in pH and used according to label instructions.
2. Disinfectant Solution - Required for high-level disinfection cycle.
3. OLYMPUS®, PENTAX®, FUJIFILM™, KARL STORZ® - Endoscope cleaning and disinfection guidelines.
4. SGNA, ASGE, ASTM, APIC and AORN - Endoscope cleaning and disinfection guidelines.
5. SGNA approved reprocessing steps - Endoscope bedside pre-cleaning, leak testing, manual cleaning, high-level disinfection, final drying and storage standards and guidelines.

PRODUCT FAMILIARIZATION

Endoscope Reprocessor Components and their Functions
2. Control Panel: Keypad, function keys, LCD and LED indicators.
3. Rear Components: Incoming water, water filters, drain line, external water pressure regulator.
4. Interior Components: Water regulator, air tank.
5. Fluid Reservoirs: Alcohol reservoir, detergent reservoir.
6. Filters: Reusable disinfectant mesh filters, air filter, water filter internal: 0.2 micron, external: 0.45 micron and 1 micron filters.
7. Passive vapor management system (if applicable).
8. Active (charcoal) vapor management system (if applicable).
9. Printer, paper and ribbon (if applicable).

Fluids and Test Strips
2. Detergent: Recommended detergent is INTERCEPT™ Detergent.
3. Alcohol (70% Isopropyl): Used to dry inside of endoscope channels.
4. RAPICIDE™ PA Test Strips: Used to test the concentration of the RAPICIDE PA Disinfectant at end of each cycle.

FLUID LOADING AND UNLOADING

High-Level Disinfectant (HLD), Detergent and Alcohol
1. Detergent and Alcohol loading to fill line.

OPERATOR CONTROLS

Control Panel
1. LED Indicators - Alerts operator to system functions and errors. Status, Station, Cycle Phase, and Warming.
2. LCD Screen - Displays system messages and prompts during system set up.
4. Function Keys - Control the operation of the reprocessor. ID Data, Program Select, Add Air, HLD Pass, HLD Fail, Set up, Enter, Station Select, Start, Stop, Cancel.

Program Set up and Functions
1. Program cycle time documentation.
2. Review time remaining function (Set up 17).
3. Check basin temperature setting (Set up 13).
4. Printing set ups (Set ups 33, 21 & 25).
5. Clear printer log (Set up 10) Perform for both A and B Station.
6. Water line auto disinfection process (Set up 6); at completion use (Set up 43) to purge water filters.

SYSTEM OPERATION

Start-up
1. Verify power is on.
2. Open incoming water line and verify water supply pressure into pre-filtration system is minimum of 40 psi.

Daily Service
1. Verify external water pressure regulator is between 35-40 psi during flush cycle.
2. Check external pre-filters when unit is in operation and review filter log. Replace filter if pressure drops below 40 psi.
3. Check detergent and alcohol reservoirs fluid levels and refill if necessary.
4. Inspect hookups for wear.

Prepare Endoscope for Reprocessing
1. Place endoscope in basin with control section in right rear of basin, light guide in left front, distal tip tucked and knob up.
2. Locate proper hookup and connect hookup to endoscope ports and basin connection.
3. Place accessory bag into basin away from drain.
4. Attach leak tester hookup.

Endoscope Reprocessing Cycle Summary
1. Cycle Start-Up Phase - Monitoring of system sensors. Leak tester will inflate and monitor endoscope.
2. Soak Phase - Water and detergent (if applicable) fill basin for soak and flush through channels.
3. Disinfectant Phase - Endoscope is flushed and soaked with RAPICIDE PA™ Disinfectant.
4. Rinse Phase - Basins fill with fresh water at least once and channels are flushed with water.
5. Alcohol Phase - Alcohol is injected into channels, followed by air to assist in drying.
6. Air Purge Phase - Air is purged through channels to aid in drying.