

Site Requirements

The purpose of this document is to provide the customer with requirements that need to be met before the DSD-201LT/SSD-102LT can be properly installed.

1 APPLICABLE DOCUMENTS

- Water pre-filtration system instructions p/n 50097-363. These instructions contain all pertinent information for installing the water pre-filtration system. This document can be found at www.medivators.com
- DSD-201LT/SSD-102LT Users Manuals
- DSD-201LT/SSD-102LT Service Manuals

2 CUSTOMER REQUIREMENTS

These criteria must be met to ensure proper operation of the reprocessor. It is the responsibility of the customer to connect the DSD-201/SSD-102 to the building water supply during the installation process. This includes the installation of ventilation, electrical and plumbing (water supply lines and drain).

3 WATER SUPPLY (POTABLE)

The incoming water to the DSD-201 can be connected to either the right side or rear of the cabinet by means of a movable water inlet fitting. The SSD-102 water inlet is only located on the right side. The adapter attached to the unit is a 3/8" female NPT fitting. Water connections on the pre-filtration system are 1/2" female NPT. Refer to the Water pre-filtration system instructions for in-depth information.

- The incoming water line to the pre-filtration system must be a minimum of 1/2" providing a flow rate of 3.2 GPM (12 L/m) with a maximum temperature of 110°F (43°C). Cold water supply is preferred.
- The incoming water pressure to the pre-filtration system must be a minimum of 40 PSI (2.75 BAR) *DYNAMIC PRESSURE* and not exceed 90 PSI (6.2 BAR).
- A shut-off valve must be installed before the pre-filtration system. It is important that the valve be mounted within the operator's reach.
- The facility is responsible for the installation of the pre-filtration system and connection of incoming water to the DSD/SSD and pre-filtration system.
- Ensure water hardness is less than 12 gpg (200ppm) for optimal performance.
- De-ionized water (DI water), due to its corrosive nature, is not recommended for use in MEDIVATORS reprocessors.
- Reverse Osmosis (RO water) can be used however, not necessary since potable water can be used with the MEDIVATORS reprocessor. If RO water is utilized, the pre-filtration system must still be used.

The MEDIVATORS endoscope reprocessors do not require backflow protection for the incoming water supply, nor is a backflow protection device installed in the reprocessor.

If building or plumbing codes require backflow protection, then please consult your local codes, standards and/or guidelines, for applicable requirements.

4 DRAIN

The drain connection to the reprocessor is located on the backside of the cabinet 25 inches (63.5 cm) from the floor. The installation kit includes 1-inch elbow and 36 inches (92 cm) of 1-inch diameter drain hose to be mounted during installation.

- Drain system should not be higher than 18 inches (46 cm) from the floor and properly vented to ensure proper draining of the DSD/SSD.

- Drain system must be capable of handling at least 5 gallons (19 L) per minute per machine.

The opening of the facility drain must be at least 1-1/2 inches (3.8 cm) in diameter to accommodate one machine drain hose. If more than one machine is to drain into one drain, the opening should be at least 3-inches (7.6 cm) in diameter.

5

ELECTRICAL SUPPLY

115V, 50/60 Hz reprocessors are supplied with a hospital grade, grounded plug that can be connected to any standard 15 A outlet. The 230V, 50/60 Hz reprocessor requires a 10A outlet (230V machines not available in North America).

- It is important to have the electrical outlet within 3 feet (1 meter) of the machine and be within the operator's reach since the unit does not have a main ON/OFF switch.
- Installation of a surge protector is recommended to protect the DSD/SSD from power fluctuations.
- If an active vapor management system (AVMS) will be utilized, a duplex outlet will be necessary.
- 230 VAC 50/60 Hz, 1440 WATTS, Single Phase
115 VAC 50/60 Hz, 1440 WATTS, Single Phase

6

ELECTRICAL SAFETY

The DSD-201LT and SSD-102LT have been designed, built and are classified as "Laboratory Equipment" per the requirements of the International Standard IEC-61010-1. This standard specifies that for a single fault condition, the leakage current only needs to be measured if the voltage between any exposed conductive components exceeds 55V_{RMS}. If this voltage limit is exceeded, the leakage current must be less than 3.5 mA in this single fault condition.

The leakage current measured by the facility personnel during acceptance testing is typical, and inherent in the design of the DSD-201LT and SSD-102LT. The requirements of the IEC-61010-1 call for leakage current of less than 500µA during normal operation when the voltage between the exposed conductive components and earth/ground exceeds 33 volts rms and less than 3500µA in a single fault condition. The values typically measured fall within these limits.

The discrepancy in the measured values against acceptance criteria will always pose a problem unless criteria are modified to encompass the specifications outlined above. However, if an acceptance criterion of less than 500µA in a single fault condition is applied, the use of an isolation transformer is recommended. (See AANI Electrical Safety Manual 2002 Edition).

7

VENTILATION

- During cycle operation and chemical heating process chemical vapors are produced. It is a health and safety requirement to have sufficient air changes, at least 10 time per hour in the room to dissipate the chemical vapors.

The air flow should be considered by the customer as well. Air should flow away from the front of the unit to the back, thus drawing fumes away from the operator's face. PPE should be used as required.

The unit may be supplied with an active or passive vapor management system to aid in chemical vapor management. Please refer to the purchase order to determine the correct configuration of the reprocessor.

- BTU output is approximately 2000 BTU's.

8

SPACE AND FLOORING

The reprocessor is equipped with casters for ease of moving. Once the machine is positioned, the leveling pads are lowered and the unit is lifted off the wheels for proper leveling and operation. It is recommended to have a fairly level floor since the leveling ability of the pads is limited. It is required to have sufficient space to place the reprocessor along with all the external components such as pre-filtration, water regulator, water shut off valve and the ventilation system (if applicable).

For optimal user-safety and reprocessor operation, it is recommended that the DSD unit always be placed directly on the floor, and not on an elevated platform type device.

DSD-201LT

- Reprocessor dimensions: H46" X W36" X D21" (H117cm x W91cm x D53cm) the height with lid open is 64 inches (163cm).
- Four inches (10cm) of space is required to the right side of the unit for the water supply connection.
- Units equipped with active vapor management system require 12-inches (31cm) clearance from the back wall.
- Units not equipped with ventilation systems require 4-inches (10cm) clearance from the back wall.

SSD-102LT

- Reprocessor dimensions: H46" X W22" X D21" (H117cm x W56cm x D53cm) the height with lid open is 64 inches (163cm).
- 4-inches (10cm) of space is required to the right side of the unit for the water supply connection.
- Units equipped with active vapor management system require 12-inches (31cm) clearance from the back wall.
- Units not equipped with ventilation systems require 4-inches (10cm) clearance from the back wall.

9

DSD-201LT/SSD-102LT SITE REQUIREMENTS CHECK LIST

The installation Check list is utilized to ensure the installation site meets the required specifications. If all requirements are met, the site is suitable for installation of the reprocessor.

SECTION	CUSTOMER SITE REQUIREMENTS CRITERIA
3	Water supply provides a minimum flow rate of 3.2 GPM (12 liters/minute)
3	Water supply provides a minimum pressure of 40 PSI (2.75 BAR) at the input of the pre-filters.
3	Is the water supply cold water only, with a maximum temperature of 110°F (43°C)
3	Appropriate water pre-filtration requirements have been met, based on particulate analysis results. (Note: this action is strongly recommended, consult your sales consultant)
3	Incoming water supply fed through a minimum 1/2-inch (1.3cm) line to the pre-filtration system
4	Intended drain outlet no more than 18-inches (46cm) from floor
5	Fused outlet within 3 feet (1 meter) of installation site. Duplex outlet if AVMS is used
7	Site adequately ventilated to meet 10 air changes per hour
8	Proposed installation area has a level floor
8	(DSD-201LT Only) Installation site accommodates the unit's dimensions (H46"/W36"/D21") (H117cm/W91cm/D53cm)
8	(SSD-102LT Only) Installation site accommodates the unit's dimensions (H46"/W22"/D21") (H117cm/W56cm/D53cm)
8	Adequate space for the lids to be fully opened (64" from floor)
8	Adequate wall or under-cabinet space for installation of the water pre-filtration system (refer to Water pre-filtration document 50097-363)
8	Adequate space to make plumbing connections to the unit (4-inches (10cm) on right side required)

This checklist should be utilized to ensure the installation site meets the required specifications, If all specifications are met, the site is suitable for the installation and the use of DSD-201LT and SSD-102LT Automatic Endoscope Reprocessor.

MEDIVATORS Website "Resource Center"

Go to: www.medivators.com, Select "Resource Center" and "User Library" for detailed user guides and hookup matrices, report forms and logs, and product bulletins

MEDIVATORS Customer and Technical Support Toll Free: Phone: 1-800-444-4729 · FAX: 1-866-421-7696



Manufactured in the USA by:

MEDIVATORS Inc. Headquarters
14605 28th Avenue North
Minneapolis, MN 55447 USA
Toll Free: +1.800.444.4729

MEDIVATORS BV
Sourethweg 11
6422PC Heerlen
The Netherlands
Tel: +31.45.5.471.471



MEDIVATORS Asia/Pacific Pte Ltd
1A International Business Park
#05-01 Singapore 609933
Tel: +65.6227.9698

MEDIVATORS Beijing Representative Office
Room 708, 7th Floor Kaiheng Center, Block B
No. 2 Chaoyangmennei Street
Dongcheng District, Beijing China 100010
Tel: +8610.6567.8446

www.medivators.com