



The following information is for the installation and maintenance of the Sanidose Delivery System. The Sanidose system must be used in conjunction with a water filtration system.

### SYSTEM DESCRIPTION

The Sanidose system (P/N 78400-089) is a fully mechanical pump that operates on water pressure. It injects a small amount of chemistry into the supply water of the reprocessor. The system contains a dosing pump assembly, uptake assembly and a tilt tray. It has an adjustable dosing range of 0.07% to 0.2%.

### Tools Required

- Screw driver
- Adjustable wrench

### Space Requirement

The minimum space required for this system is 38cm x 46cm x 14cm (15 in x 18 in x 5.5 in). These measurements do not include the filtration systems space requirements. Place the Sanidose System at the same level or slightly above the Pre-Filtration filters.

### Contents of Sanidose Delivery System Figure 1 (P/N 78400-089)

1. Dosatron meter
2. Uptake assembly
3. Tilt tray
4. 120 cm of tubing
5. Garden hose adapter
6. Barbed fitting (qty 2)
7. Reducer fitting
8. Threaded adapter (qty 2)
9. Elbow
10. Hose clamp (qty 2)
11. Screw (qty 2)



Figure 1 Sanidose Delivery System

### INSTALLATION Procedure



**NOTE: The Dosatron unit is part of the Sanidose system.**

1. The unit is to be connected upstream of the existing water filtration system. Turn off water supply before proceeding.
2. Find a suitable location close to the filtration system for wall installation of the Dosatron mounting bracket using the included screw or other appropriate hardware.
3. Attach the Dosatron to the mounting bracket. The unit can be oriented for the flow from right to left or left to right. Water flow direction depends on the direction the unit is mounted. Note the arrow on the bottom of the white housing to determine the proper flow direction (*figure 4*). The arrow should be pointing towards the filter system down stream of the Sanidose system. There are two pins on each side of the unit that correspond to holes in the mounting bracket. Secure the unit using the flexible hook and loop retaining strap.
4. The incoming water line is attached to the one way check valve. The incoming water line check valve will have an arrow pointing up. Acceptable pressure range is 2.75 bars – 5.8 bars (40 to 85 PSI) at a maximum temperature of 45° C (104° F).
5. Verify there is no copper or brass present in the fluid path after the inlet of the Sanidose system.
6. Attach the suction uptake tube to the bottom of the Dosatron by removing the white conical nut at the bottom; insert the hose through the nut. Push the tube onto the nozzle as far as it will go. Slide the nut up over the tube and nozzle connection and hand tighten (*figure 2*).



**Figure 2** The White Conical Nut

7. The other end of the tube is attached to a container of Medivators Sanidose solution (ML02-0109, 2x5L bottles) For proper suction, insert the uptake tube assembly into the bottle with the uptake tube pointing towards the opposite end of the spout (*figure 3*). The bottle then should be placed on the tilt tray with the cap end at the highest point.



**Figure 3** Yellow uptake tube assembly cap



8. Connect the output of the Sanidose system directly to the filter system.
9. Verify the injection rate is set to the recommended setting of 0.08%. If the rate needs adjustment, loosen the black conical locking nut on the lower part of the unit, above the uptake tube assemblies white conical nut. Rotate the setting sleeve clock-wise or counter-clockwise to obtain the proper setting. (*figure 4*). When set, tighten the black conical locking nut.



**Figure 4** Black conical locking nut

10. Slightly open the water supply valve.
11. Bleed the air out of the system by pressing down on the bleed button located on top of the Dosatron.
12. Slowly open the main water valve until it is completely open.
13. The unit will require approximately 30 minutes of water flow to be fully primed.



### MAINTENANCE AND TESTING

A daily check of the Sanidose system will verify the proper operation of the system

#### Procedure

1. Once a day, verify that a sufficient amount of Sanidose solution remains in the supply bottle. Replace using a fresh 5 liter container of Sanidose, (P/N ML02-0109). Once the solution is near the bottom of the label on the bottle, there is enough solution remaining for approximately 10 more endoscope reprocessing cycles, but this is dependant on the type of reprocessor and machine settings. *Careful monitoring is necessary when the bottle is this low.*
2. Once a day, collect a sample of incoming water using the appropriate water sampling protocol for your reprocessor. Follow the Sanidose Test Strips (P/N ML02-0110) instructions for proper use of the test strips. Adjust Dosatron setting if required. Testing of the water will assure the necessary amount of Sanidose solution is being injected.

#### Sanidose Maintenance

1. Once a month, clean the Sanidose strainer filter. Turn off water and bleed off the pressure by pressing the black button on top of the Sanidose system. Remove the large black clean-out plug on the bottom of the strainer to drain out water and sediment. If necessary, unscrew the entire strainer body and remove the strainer and clean under running water.
2. Yearly replace all items in the Sanidose Preventative Maintenance Kit (PN 78400-085).



### INSTALLATION OPTIONS FOR THE SANIDOSE SYSTEM

The Sanidose unit can be connected to a Medivators Pre-filtration system. The combination of the three filtration systems provides the ultimate in filtration.

#### Use with the Pre-filtration system MK01-0033 Figure 5



**Figure 5** Pre-filtration system

The Pre-Filtration unit is mounted next to the Sanidose system and connects to the output of the Sanidose system utilizing the additional parts supplied in the kit.

### Procedure

1. Turn off the water supply.
2. Mount Pre-filtration unit to the wall using the appropriate hardware.
3. Attach the reducing fitting and elbow to the input port on the pre-filter unit (left side).
4. Connect an appropriate length of tubing from the output side of the Sanidose System to the input of the Pre-filtration system.
5. Verify that the filters are inserted in the proper filter housings.
6. Turn water on slowly, checking for leaks.



### Use with Pre-filtration system 78399-989



**Figure 6** Pre-filtration system

The Pre-Filtration unit is mounted next to the Sanidose system and connects to the output of the Sanidose system utilizing the additional parts supplied in the kit.

### **Procedure**

1. Turn off the water supply.
2. Mount pre-filtration unit to the wall using the appropriate hardware.
3. Remove the brass check valve from the inlet of the filtration system.
4. Attach the reducing fitting and elbow to the input port on the pre-filter unit (right side).
5. Connect an appropriate length of tubing from the output side of the Sanidose system to the input of the pre-filtration system.
6. Verify that the filters are inserted in the proper filter housings.
7. Turn water on slowly, checking for leaks.



### The Sanidose System

The illustration in *figure 7* depicts the Sanidose system and how all elements can be combined into one system.



Connect pre-filtration unit here.

**Figure 7** Sanidose System

If you need assistance or have any question regarding these instructions, please contact your local Minntech representative or visit us online at [www.minntech.com/medivators](http://www.minntech.com/medivators).