

SERVICE AND MAINTENANCE OVERVIEW

Puritan Bennett™ 560 Ventilator



Recommended schedule of maintenance for the Puritan Bennett™ 560 (PB560) ventilator

Inspect the patient circuit daily to ensure that it:

- Doesn't show signs of damage
- Is properly connected
- Is operating correctly without leakage

Don't attempt to open, repair, or otherwise service the PB560 ventilator yourself. This can endanger the patient, damage the ventilator, and/or void your warranty. Only personnel authorized and qualified by Medtronic should repair, open, or service the ventilator.

Consumables and replacement intervals

When the ventilator is operated under normal circumstances, the intervals for replacing the consumable elements are as listed below. Normal is defined as a relatively dust-free environment that doesn't damage the device nor its components. For each ventilator, please keep careful notes to keep track of the most recent replacement.

Ventilator consumables	Recommended replacement interval
Air inlet filter (foam and fine particle)	Replace once a month or more often, depending on the extent of soiling. See section 8 of the User Manual, Replacing the Air Inlet Filter, for air inlet filter replacement instructions.
FiO ₂ sensor	Replace every 14 to 18 months or more often in case of persistent calibration failure.
Exhalation block	One per patient, single use. Replace the exhalation block and the calibrate exhalation flow sensor after reinstallation of the exhalation block. Refer to section 8 of the User Manual, Calibrating the Exhalation Flow Sensor, for calibration instructions.
Patient-use consumables	Recommended replacement interval
DAR™ dual limb patient circuit with exhalation valve	Every seven days, single patient use. Do not reuse the circuit for different patients.
DAR™ filter HME	Daily, single patient use.

A full detailed description for the PB560 ventilator maintenance can be found in section 8 of the User Manual.

Reminder: Only personnel authorized and qualified by Medtronic should repair, open, or service the ventilator.

Air-oxygen inlet filter information and replacement

Regularly check the cleanliness of the air inlet filter, located in the rear of the ventilator. If the filter is soiled, replace the filter before the recommended replacement period is over. This is particularly important when the ventilator is installed on a wheelchair, because environmental conditions may cause the filter to become dirty more rapidly. Failing to replace a dirty air inlet filter, or operating the ventilator without a filter, may cause serious damage to the ventilator. The air inlet filter isn't reusable; don't attempt to wash, clean, or reuse it.

If the ventilator is used indoors, the condition of the air inlet filter should be checked monthly. Please keep careful notes indicating the dates of filter changes. If the ventilator is used outdoors or in a dusty environment, the air inlet filter should be checked weekly and replaced as necessary.

To replace the air inlet filter:

1. Hold the filter between your fingers (see Figure 8-1, Item 1, in the User Manual).
2. Remove the filter and discard it (Figure 8-1, Item 2, in the User Manual).
3. Place the new filter in the device, while ensuring that:
 - The fine particle side of the filter faces outward, away from the ventilator.
 - The filter is properly installed in its housing. Proper installation of the filter prevents particles from entering the device.

Exhalation block maintenance

The exhalation block is intended for single use by a single patient. It may periodically be cleaned, but it cannot be sterilized. Clean and disinfect the exhalation block using one of the disinfectants listed in Table 1 of the User Manual. To maintain good measurement quality when used continuously, clean the exhalation block periodically. The exhalation block should be changed for every patient. The exhalation block can be easily removed for inspection, cleaning, or replacement (Figure 7-1 in the User Manual. See user manual for complete instructions.) No special tools are required. It's held in place by a single captive screw located on the bottom of the device.

To remove the exhalation block:

1. Ensure the ventilator is turned off.
2. Loosen the captive screw located on the bottom of the ventilator that secures the exhalation block.
3. Grasp the exhalation port and slide the exhalation block toward the left side of the ventilator to remove it from its slot.

To reinstall a clean exhalation block or install a new exhalation block:

1. Slide the exhalation block into its slot.
2. Tighten the captive screw to secure the exhalation block in place.
3. Choose calibration from the menu to calibrate the exhalation block.

Ensure that the exhalation block is completely dried after cleaning and prior to use. When an exhalation block is set up, each time it is removed, or after installing a new exhalation block on the machine, it is essential that the exhalation flow sensor be recalibrated before the exhalation block is used. See section 8 of the User Manual, Calibrating the Exhalation Flow Sensor, for proper calibration instructions.

Battery maintenance

The internal battery doesn't need to be removed to verify its correct operation. The internal battery should be replaced when the battery capacity drops below 3840 mAh. Keep in mind, for environmental protection, the ventilator and its components — including its internal battery — cannot be disposed of with household waste. You must submit the ventilator and its components for suitable selective collection and possible recycling and observe all applicable regulations.

This guide doesn't replace the information in the PB560 ventilator User Manual. For questions, proper maintenance, and troubleshooting, please refer to the PB560 User Manual, which can be found [here](#) or via the link below.

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