



TITLE	Reuse and Sanitizing of North P100 Masks and Filters
TODAY'S DATE	4/5/20
SECTION	<input type="checkbox"/> Organization Wide <input checked="" type="checkbox"/> Emergency Department <input type="checkbox"/> Inpatient <input type="checkbox"/> Ambulatory <input type="checkbox"/> Nursing <input type="checkbox"/> Medical staff [physicians and advance care practitioners]

APPLICABLE LOCATIONS <input type="checkbox"/> All Bozeman Health locations <input checked="" type="checkbox"/> Bozeman Health Deaconess Hospital <input type="checkbox"/> Big Sky Medical Center	<input type="checkbox"/> Belgrade Clinic + UrgentCare <input type="checkbox"/> Hillcrest Senior Living <input type="checkbox"/> b2 UrgentCare <input type="checkbox"/> b2 MicroCare
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APPROVED BY	Contributors listed above, Incident Command
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**PURPOSE:**

It is Bozeman Health’s recommendation that in order to preserve PPE, P100 masks are an appropriate substitute to N95 masks. Black NORTH P100 masks can be both reused during a shift and be sterilized for extended use as long as the PPE has not been visibly damaged or distorted.

- Reuse Definition: will refer to the intermittent use of a NORTH P100 mask for multiple encounters with patients throughout a shift
- Reuse after Sterilization Definition: Will refer to the reuse of a NORTH P100 mask by any employee after cleaning and sanitizing process has occurred, *or* mask has not been used for five (5) days.

**POLICY/PROTOCOL:** Process for Procurement of NORTH P100 Masks by Staff

- Employee will use a specific NORTH P100 mask for the extent of their shift as long as mask is not damaged or soiled. Best practice would include removing the mask and wiping them down between patients
- The mask should be fitted with two (2) purple filter pods and then seal test should be performed prior to use. (See below)
- When mask is ready for cleaning and sanitization, the mask is to be stored in a paper bag for transfer to the sterile processing department.
- Please store masks for reuse in paper bags between shifts if you are working multiple shifts in a row and mask was minimally used and is still clean.
- Paper bag is to be labeled with department, folded over and placed in department labeled tote identified for dirty masks when the mask is ready for sanitization.
- Masks will be transported for sanitization by SPD runner to designated processing area and will be returned once process is complete.
- Perform proper hand hygiene and don gloves prior to transporting of any used P100s.



### SPD Process for Mask Transport, Cleaning, and Sanitization

- Staff assigned to the cleaning and sanitization of masks will do the following prior to removing mask from paper bag:
  - Perform proper hand hygiene
- Don gown, a surgical mask, eye protection and gloves. Remove masks from paper bag, inspect for any damage or soiling prior to proceeding. If mask appears to be damaged, follow cleaning process and return to emergency department management staff to determine whether or not it can continue to be used.
- Remove the cartridges and/or filters attached to the mask.
- Disinfect the filter by wiping the outside with disinfectant. Do not saturate. Set aside to dry.
- Clean the respirator face piece (excluding the cartridges and filters) by immersing in warm cleaning solution. Water temperature is not to exceed 120° F. Scrub with soft brush until clean. Add detergent if necessary. Do not use cleaners containing lanolin or other oils.
- Disinfect face piece by soaking in a solution of quaternary ammonia disinfectant or sodium hypochlorite (1 oz. [30 ML] household bleach in 2 gallons [7.5 L] of water), or other disinfectant.
- Rinse in fresh, warm water and air dry in non-contaminated atmosphere until dry to touch.
- Replace cleaned and sanitized respirator masks and filters in appropriate department's 'clean' storage bin.
- Return bins to appropriate departments to be used prior to shift.

### Seal Testing process

- Ideally the user should be fit tested to a specific size mask. However, if fit testing is not available, several self-seal tests could be used to ensure an adequate fit before mask use.
- Always check the seal of the respiratory on your face with both a positive and negative pressure user seal check before entering a contaminated area.
- Positive pressure user seal check:
  - Cover the exhalation valve cover with hand and exhale gently. If facepiece bulges slightly and no air leaks are detected between your face and facepiece, a proper seal has been obtained.
  - If faceseal air leakage is detected, reposition respirator on your face and/or readjust tension of the elastic straps to eliminate leakage.
  - If you cannot achieve a proper seal DO NOT use respirator.
- Negative pressure use seal check:
  - Place palms of gloved hands over the face of both purple filter cartridges.
  - Inhale gently. If you feel facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece, a proper seal has been obtained.
  - If faceseal air leakage is detected, reposition respirator on your face and/or readjust tension of the elastic straps to eliminate leakage.
  - If you cannot achieve a proper seal DO NOT use respirator.

### **OTHER POLICIES/PROTOCOLS TO REFERENCE:**

#### **REFERENCES:**

<https://blogs.cdc.gov/niosh-science-blog/2020/03/16/n95-preparedness/>