

The MAXAIR® Systems 2271 and 2272 “PB-100” Series Hoods are MAXAIR XP Hoods with (integrated) NIOSH PAPR100-N filters for use exclusively with MAXAIR CAPR® Powered Air Purifying Respirator (PAPR) Systems.

### Indications for use of the “PB-100” Series Hoods

#### Situations requiring a NIOSH approved PAPR 100 Helmet Hood powered air purifying respirator:

- Non-IDLH atmospheres where the oxygen content is between 19.5% and 25%.
- Situations where there is exposure to airborne particulate contaminants.
- Where NIOSH approved PAPR 100-N Class filter performance is required or desired.
- Where high fluid resistance protection against splash is required or desired.
- Not used against oil-based aerosols

### Hood Configurations

Hood Catalog Number (REF #) options include:

- 2271PB-100ML Single Hood
- 2271PB-100SM Single Hood
- 2272PB-100ML Double Hood
- 2272PB-100SM Double Hood
- 2272PB-100 Double Hood

Each hood is available in two sizes, except that the 2272PB-100 is a one size fits all double hood. ML (Medium Large) is for larger workers. SM (Small Medium) is for smaller workers. Trial donning may be appropriate to determine the best fit for any given individual to ensure safe fit and appropriate maneuverability for all anticipated work activities.

#### Single vs Double Hood

Single Hood refers to a Filter Hood with a single shroud, or cover, that extends down from the Hood Filter, encompasses the Lens, and provides 360° coverage of the neck and head down over the top of the body gown. The single hood includes a Cuff integrated with the Hood Lens to aid in maintaining the high protection of hood configurations.

Optional means of wearing the Single Hood include:

- The shroud may be tucked in under the neck of the body gown to provide a better seal between the Hood and gown. (This is NOT ADVISED if there is a susceptibility of fluid splash that could run down the Hood and inside to the body gown.)
  - Excess air from the Hood area is funneled down to aid in cooling the body for additional comfort.



2271PB-100ML, 2271PB-100SM  
Single Hoods



2272PB-100, 2272PB-100ML,  
2272PB-100SM  
Double Hoods



2061-05  
HFR-FCC  
(Optional for  
Both Hoods)

- This will increase the amount of “billowing out”, potentially interfering with work activities.
- The shroud may be left on the outside, layered over the top of the body gown, in the neck and shoulders areas.
  - The “shroud over” prevents potential fluid splash from coming down the Hood sides to enter inside the gown.

Double Hood refers to a Filter Hood with both an inner and an outer shroud.

The inner shroud is tucked inside the body gown at the neck. This adds to the particulate filtering seal and obviates the need for an integrated Cuff as with the Single Hood.

The outer hood layers over the top of the body gown in the neck and shoulders areas. This shroud provides fluid splash protection.

Both Single and Double Hoods include external neck and body ties.

The neck tie helps create a “neck” in the Hood for the wearer and improves the ease and flexibility of moving and turning the head. It also limits the amount of excess air flowing to the body gown to minimize “billowing out”.

The body tie secures the Hood shroud closer to the body to minimize interference with maneuverability.

### Optional HFR FCC

Each “PB-100” Series Filter Hood provides protection both from airborne particulates as well as from contact.

Additional fluid protection may be achieved with use of the optional 2061-05 HRF FCC, High Fluid Resistance Filter Cover Cap. This Cover is made of virtually fluid impermeable, light weight and flexible plastic.

### “PB-100” Series hoods Configurations

BASE SYSTEM	HOOD
<b>CA-DLC-CAPR-36</b> with 2500-36TSC Battery  -or-  <b>CA-DLC-CAPR-37</b> with 2500-37TSC Battery	<b>SINGLE HOOD</b>
	2271PB-100ML 20 ea/box
	2271PB-100SM 20 ea/box
	<b>DOUBLE HOOD</b>
	2272PB-100ML 20 ea/box
	2272PB-100SM and 2272PB-100 20 ea/box
<b>OPTIONAL</b>	
HFR FCC (High Fluid Resistance Filter Cover Cap)	2061-05 3 ea/box

2271PB-100 ML&SM, 2272PB-100 ML&SM	2272PB-100
<b>FILTER EFFICIENCY</b>	
99.97%	99.99%
<b>OSHA APF</b>	
<b>25</b>	<b>1000</b>



CA-DLC-CAPR-37 System  
2271PB-100 Single Hoods

CA-DLC-CAPR-37 System  
2271PB-100 Single Hoods,  
with optional HFR FCC



CA-DLC-CAPR-37 System  
2272PB-100 Double Hoods

CA-DLC-CAPR-37 System  
2272PB-100 Double  
Hoods,  
with optional HFR FCC

### “PB-100” Series Hoods

MATERIAL and SEAMS	FLUID RESISTANCE
Outer Shroud (Below the Filter)	ASTM F1671 ASTM F1670 ASTM F903, H2O/ Polysorbate @ 35 Dyne/cm ASTM D5035, >7 LBF
Inner Shroud	N/A
Lens	Fluid Impermeable
Hood Filter	AATCC TM127 20cm AATCC TM42, <1.0g
HLF	N/A
HFR FCC	Fluid Impermeable