

The MAXAIR® Systems 2271 and 2272 “PB-07” Series Hoods are MAXAIR XP Hoods with (integrated) NIOSH PAPR Class HE filters for use exclusively with MAXAIR CAPR® Powered Air Purifying Respirator (PAPR) Systems.

Indications for use of the “PB-07” Series Hoods

Situations requiring a NIOSH approved, PAPR HE Class, HAPF 1,000, 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 HE Class filter performance plus HAPF of 1,000 Protection Factor 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-07ML Single Hood
- 2271PB-07SM Single Hood
- 2272PB-07ML Double Hood
- 2272PB-07SM Double Hood
- 2270PB-07 Double Hood

Each hood is available in two sizes, except that the 2272PB-07 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



2271PB-07ML, 2271PB-07SM
Single Hoods



2172-97
HLF
(Required for both
Single and Double
Hoods)



2272PB-07, 2272PB-07ML,
2272PB-07SM
Double Hoods



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

cooling the body for additional comfort.

- This will increase the amount of “billowing out” of the body gown, 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.

HLF Filter (Required for NIOSH PAPR HE approval)

Each “PB-07” Series Filter Hood comes with a 2172-97 HLF Filter. This Heavy Loading Filter primarily filters larger particulates to extend the service life of the primary high efficiency filter.

Optional HFR FCC

Each “PB-07” Series Filter Hood with HLF provides protection both from airborne particulates as well as from contact with fluids.

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-07” Series hoods Configurations

BASE SYSTEM	HOOD
CA-DLC-CAPR-36 with 2500-36TSC Battery -or- CA-DLC-CAPR-37 with 2500-37TSC Battery	SINGLE HOOD
	2271PB-07ML (includes 2172-97) 20 ea/box
	2271PB-07SM (includes 2172-97) 20 ea/box
	DOUBLE HOOD
	2272PB-07ML (includes 2172-97) 20 ea/box
	2272PB-07SM (includes 2172-97) 20 ea/box
OPTIONAL	
HFR FCC (High Fluid Resistance Filter Cover Cap)	2061-05 3 ea/box



CA-DLC-CAPR-37 System 2271PB-07 Single Hoods and HLF CA-DLC-CAPR-37 System 2271PB-07 Single Hoods, HLF, and HFR FCC



CA-DLC-CAPR-37 System 2272PB-07 Double Hoods and HLF CA-DLC-CAPR-37 System 2272PB-07 Double Hoods, HLF, and HFR FCC

“PB-07” 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
FILTER EFFICIENCY	
99.99%	
OSHA APF	
1000	