

The MAXAIR® Systems “2281” Series Hoods makeup MAXAIR’s unique line of high fluid resistance, source control, cool Hoods with (integrated) NIOSH PAPR100-N filters for use exclusively with MAXAIR CAPR® Powered Air Purifying Respirator (PAPR) Systems.

Indications for use of the “2281” 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.
- Where a high level of source control is required or desired.
- Not used against oil-based aerosols.

Hood Configurations

Hood Catalog Number (REF #) options include:

- 2281PH-100 Single Hood
- 2281PR-100SM Single Hood
- 2281PR-100ML Single Hood
- 2281PR-100 Single Hood
- 2281PRS-100 Sterile Single Hood

The PR model is available in ML and SM versions where ML (Medium Large) is for larger workers, and SM (Small Medium) is for smaller workers. The PH, PR, and PRS models are available in one size fits all versions and do not carry an ML or SM indicator. 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 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 tope of the body gown.

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



2281PH-100 Single Hood*

2281PR-100, 2281PR-100ML,
2281PR-100SM
Single Hoods*

2281PRS-100 Sterile Single Hood*

*All “2281” Series Hoods appear virtually the same.



2061-05
HFR-FCC
(Optional for
All 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.

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 “2281” Series Filter Hood provides protection both from airborne particulates as well as from fluid/splash and 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.

"2281" Series hoods Configurations

BASE SYSTEM	HOOD
CA-DLC-CAPR-36 with 2500-36TSC Battery -or- CA-DLC-CAPR-37 with 2500-37TSC Battery (CAPR 2081-03 and CAPR IH 2086-03 Helmet based)	2281PH-100 20 ea/box
CADLC-PRCAPR-36 with 2500-36TSC Battery -or- CADLC-PRCAPR-37 with 2500-37TSC Battery -or- CAPR-IR-25 with 2500-25 Battery (CAPR PR 2084-04 and CAPR IR 2085-03 Helmet based)	2281PR-100, 2281PR-100ML, 2281PR-100SM, 2281PRS-100
OPTIONAL	
HFR FCC (High Fluid Resistance Filter Cover Cap)	2061-05 3 ea/box



CA-DLC-CAPR-37 System
2281PH-100 Single Hood*



CA-DLC-CAPR-37 System
2281PH-100 Single Hood
with optional HFR FCC*

* Donned frontal look is similar for 2281PR-100, 2281PR-100ML, and 2281PR-100SM



CADLC-PRCAPR-37 System
2281PRS-100 Sterile Single Hood
(donned configuration for many sterile environments)

"2281" Series Hoods

2281PH-100, 2281PR-100, 2281PR-100 ML, 2281PR-100SM	2281PRS-100
FILTER EFFICIENCY	
99.97%	99.99%
OSHA APF	
25	1000

MATERIAL and SEAMS*	FLUID RESISTANCE
Front (Below the Filter)	ASTM F1671 ASTM F1670 ASTM F903, H ₂ O/ Polysorbate @ 35 Dyne/cm ASTM D5035, >7 LBF
Back	N/A
Lens	Fluid Impermeable
Hood Filter	AATCC TM127 20cm AATCC TM42, <1.0g
HLF	N/A
HFR FCC	Fluid Impermeable

* Seams not included for the 2281PRS-100 Hood