



# ADVANCED RESPIRATORY PROTECTION

VANGUARD G4 PAPR



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VANGUARD **G4**

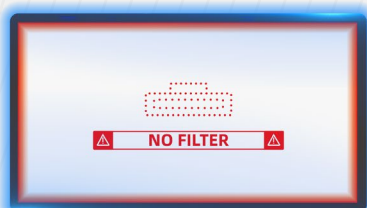
# Vanguard G4

## POWERED AIR PURIFYING RESPIRATOR (PAPR)

The **Vanguard G4 Powered Air Purifying Respirator (PAPR)** provides constant airflow and exceptional protection for the respiratory system, head, face, and eyes. Its lightweight, portable, and easy-to-use design features a smart digital display, filter monitoring, and an auto-alarm system, making it ideal for a variety of environments and applications.

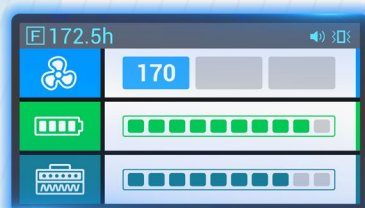


**99.997%**  
FILTER EFFICIENCY



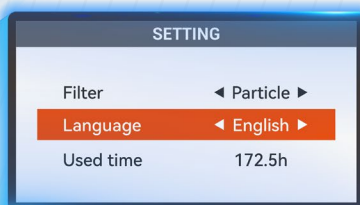
### ALARM SYSTEM

If the filter is missing or incorrectly fitted, the battery is low, or airflow is insufficient, a pop-up will show on the display, the blower will vibrate and an alarm will sound ensuring you're always informed of critical issues.



### FILTER MONITORING

The blower tracks and displays filter type, usage time, battery status, filter loading, and airflow rate, giving you full control and insight into system performance.



### SMART DIGITAL DISPLAY

With high colour accuracy and wide viewing angle, the display ensures easy readability from any angle, even in challenging environments.

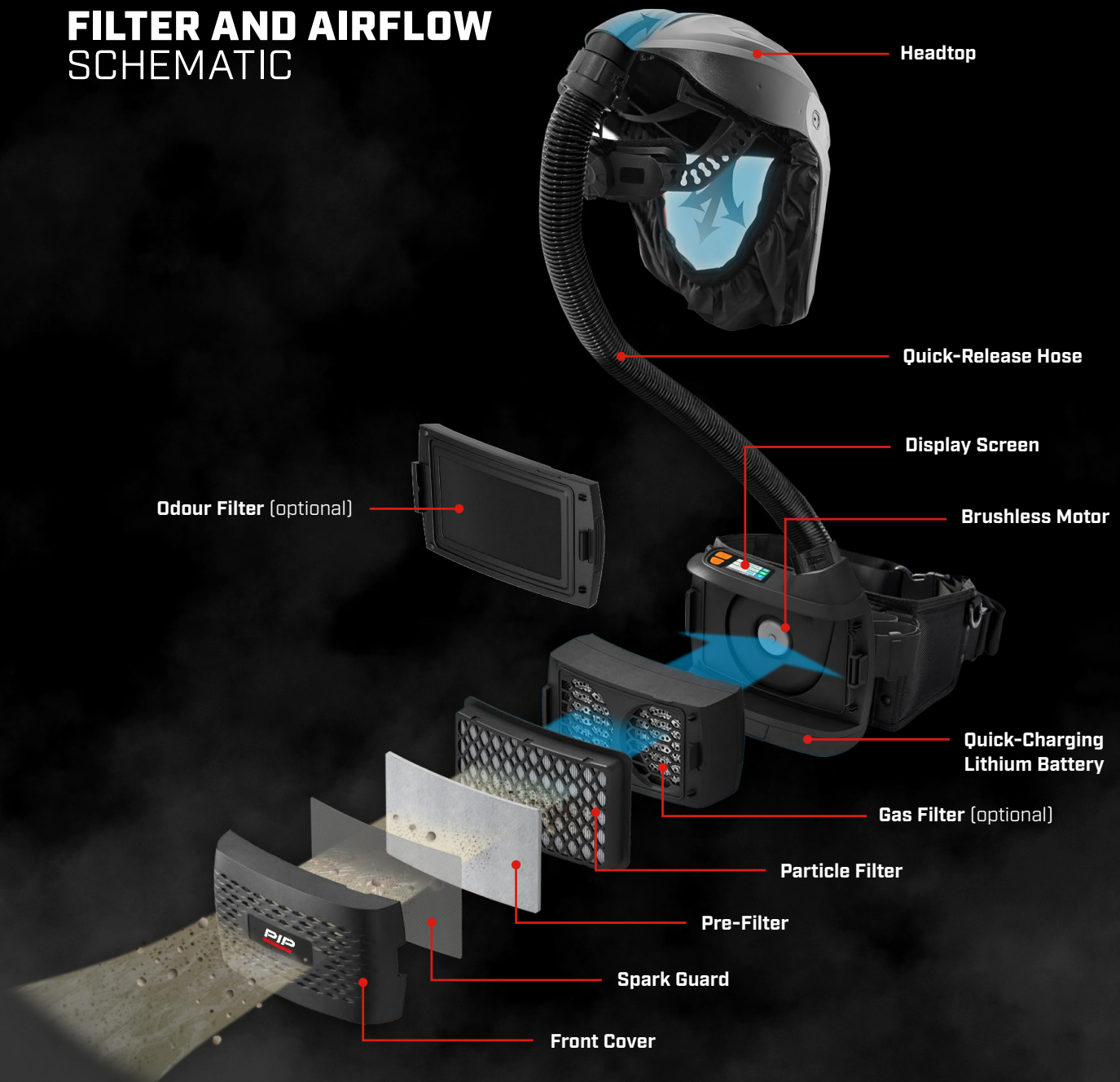
**Certified to:** AS/NZS 1716:2012 Respiratory Protective Devices. Compliant with AS/NZS 1801 Type 1 Industrial Safety Helmet, AS/NZS 1337.1 High Impact Eye/Face Protection and AS/NZS 1270 Acoustics—Hearing Protectors when fitted with optional earmuffs.



## FEATURES

- **Smart Digital Display:** Displays real-time information on battery level, filter loading status, usage time, and airflow settings.
- **Filter Monitoring:** Advanced blower technology tracks and displays filter type and usage to maintain optimal performance.
- **Alarm System:** Audible, visual, and vibration alarms alert users to filter status, low battery and low airflow.
- **Three Airflow Rates:** 170/190/210 L/min allow users to adjust based on task requirements and comfort.
- **Dynamic Airflow Monitoring:** The motor automatically adjusts to maintain consistent airflow, compensating for filter status and battery levels.
- **Standard Fast-Charging Lithium Battery (3200mAh):** Operates for approximately 10 hours on the lowest airflow setting (170 L/min). Charged to 80% in 1 hour and fully charged in approximately 1.5 hours.
- **Ergonomic Headtop:** Lightweight, balanced headtop with an adjustable fit for superior comfort and reduced fatigue during extended use.
- **Durable Blower Design:** Front cover protects blower from high temperatures or impact. Spark Guard blocks sparks igniting filters.
- **IP54-rated:** Providing limited protection from dust and water in industrial environments.
- **Maximum Operating Altitude:** 5000 meters
- **PAPR Complete Kit Contains (PRK-G4SR2P-1):** Headtop, Quick-Release Hose (PRP-SR2-QRBT1), PAPR Blower Unit, Fast-Charging Standard Battery 3200 mAh (PRP-SR2-BATS), 240V Single Charger, P3 Particle Filter (PRF-SR2-P3), Flow Meter, Shoulder Strap (PRP-SR2-SS), Standard Belt (PRP-SR2-SBLT), Disposable Visor Film - 10 Pack (PRP-G4-TOVF), and Carry/Storage Bag.

## FILTER AND AIRFLOW SCHEMATIC



# VANGUARD G4 OPTIONS

## PAPR COMPLETE KIT, HEADTOP AND BLOWER



**PRK-G4SR2P-1**  
PAPR Complete Kit



**PRP-G4-HTC**  
Headtop Only



**PRP-G4-BLO**  
Blower Only

## QUICK-CHARGING BATTERIES AND CHARGER



**PRP-SR2-BATS**  
Standard Battery 3200 mAh  
– Run time: up to 10 hrs at 170 L/min  
– Charge time: Approx. 1.5 hrs



**PRP-SR2-BATEX**  
Extended Battery 6400 mAh  
– Run time: up to 18 hrs at 170 L/min  
– Charge time: Approx. 2.5 hrs



**PRP-SR2-4CHGR**  
4 Bank Battery Charger  
– Suits both extended and standard battery

## ACCESSORIES



**PRH-G4-PCEM**  
Passive Slimline Earmuffs  
– SLC<sub>80</sub> 30dB, Class 5

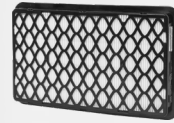


**PRP-G4-HLAT**  
Cap Lamp Attachment  
– Suits blade style headlamps

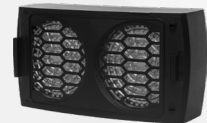


**PRG-G4-TOVF**  
Disposable Visor Film (10 Pack)

## FILTERS



**PRF-SR2-P3**  
Particle Filter (P3)  
– High-efficiency particle filter (HEPA). 99.997% filter efficiency



**PRF-SR2-ABEK1**  
Multi-Gas Filter (ABEK1)  
– Protection against certain organic vapours/acid gases, sulfur dioxide and ammonia



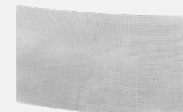
**PRF-SR2-A1**  
Gas Filter (A1)  
– Protection against certain organic vapours (boiling point above 65°C)



**PRF-SR2-OD**  
Odour Filter  
– Eliminates nuisance odours



**PRF-SR2-PF**  
Pre-Filter (5 pack)  
– Extends life of particle filter



**PRF-SR2-SPRK**  
Spark Guard  
– Reduces grinding and welding material entering and damaging blower

## BELTS, BACKPACKS AND STRAPS



**PRP-SR2-SBLT**  
Standard Belt



**PRP-SR2-FRBLT**  
FR Leather Belt



**PRP-SR2-DBLT**  
Decon Belt



**PRP-SR2-SS**  
Shoulder Strap



**PRP-SR2-BPM**  
Blower Backpack

## SPARE PARTS

PRP-G4-HARN1	Headtop Head Harness
PRP-G4-HTRIB	Headtop Ribbon
PRP-G4-HTVFA	Headtop Visor Frame Assembly
PRP-G4-HTHBUT	Headtop Visor Buttons
PRP-G4-LC	Headtop Replacement Impact Lens For Visor
PRP-G4-HLSHADE5	Headtop Shade 5 Visor

PRP-G4-HTFC	Headtop Standard Face Seal
PRP-G4-HTCHIN	Headtop Chinstrap
PRP-G4-SW	Headtop Forehead and Back Sweatbands
PRP-SR2-QRBT1	Quick-Release Hose
PRP-G4-FTC	Water Resistant Filter Cover

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