



PureLite

# OPERATING & MAINTENANCE ESSENTIALS

# PureLite<sup>®</sup> PAPR

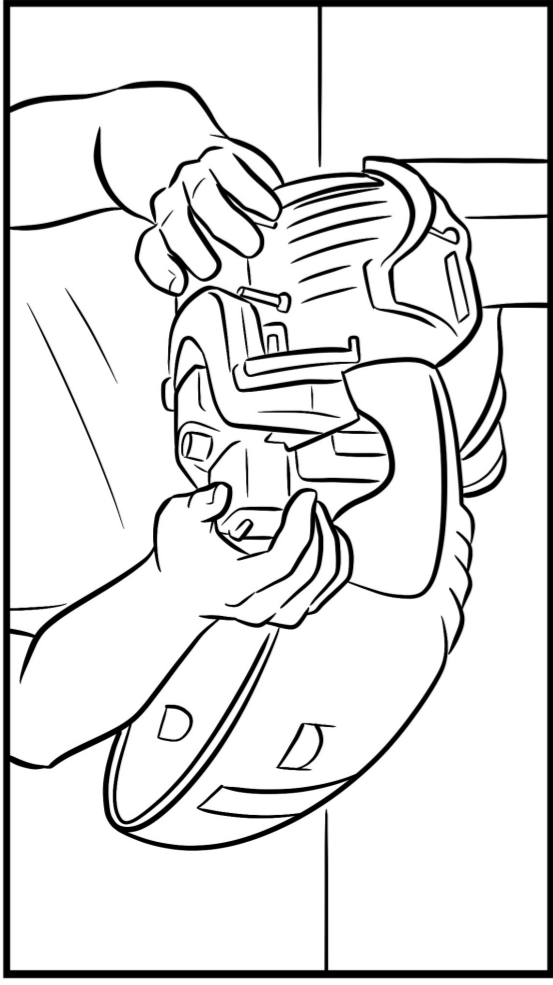
(EN) Powered Air Purifying Respirator



The PureLite is an entry level, battery-powered respirator providing protection for respiratory, eye, face, and hearing, in an all-in-one, lightweight system. The head-mounted design provides optimum balance with no trailing leads or waist-mounted power pack. The full face shield provides excellent all-around vision and impact protection. With no face-fit testing required, this is the perfect solution for those with facial hair and/or prescription glasses.

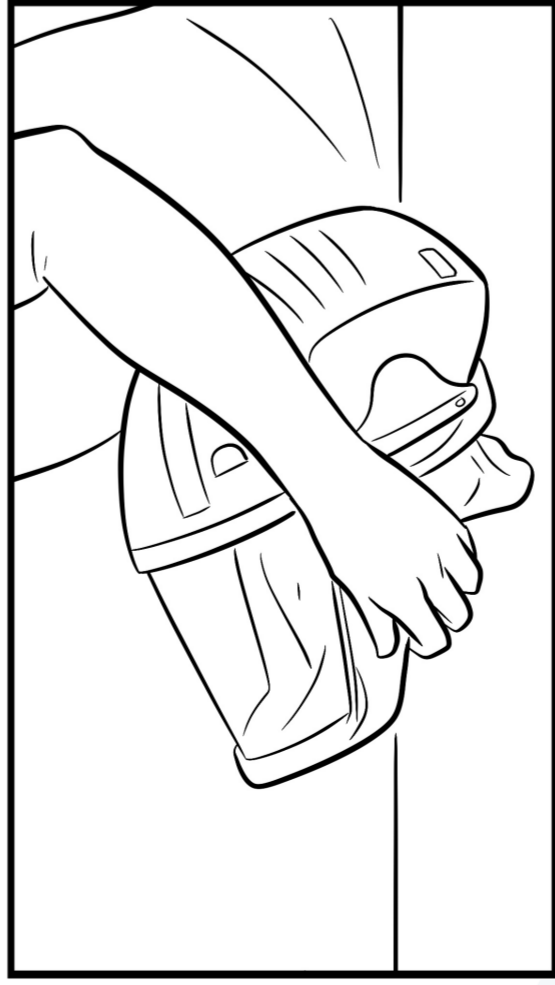
## TECHNICAL SPECIFICATIONS

<b>Weight</b>	1.0kg (nominal)
<b>Head Size Range</b>	53 – 63 cm
<b>Protection Factor</b>	Assigned protection factor (APF) - 20
<b>Helmet Material</b>	Acrylonitrile butadiene styrene (ABS)
<b>Visor Material</b>	Polycarbonate
<b>Regulated Airflow</b>	190 l/min
<b>Temperature Range</b>	Charging: +5°C to +40°C Use: -5°C to +40°C Storage (excluding battery) : -35°C to +35°C
<b>Battery</b>	Continuous power: NiMh battery runtime/capacity 6hrs Charge time: 2 hrs
<b>Low Air Flow Warning</b>	Fast audible alarm, 2 beeps
<b>Low Battery Warning</b>	1 beep (when airflow drops below 170 l/min)
<b>System Classification</b>	TH2P (APF 20)
<b>Accessories</b>	Visor overlays Ear Defenders (SNR 30)
<b>Respiratory Protection</b>	EN12941:2023
<b>Eye/Face Protection</b>	EN 166:2002 1B3 AS/NZS:1337.1:2010



### 1. INSERT BATTERY

Open lid, insert battery below red button at rear of head top.



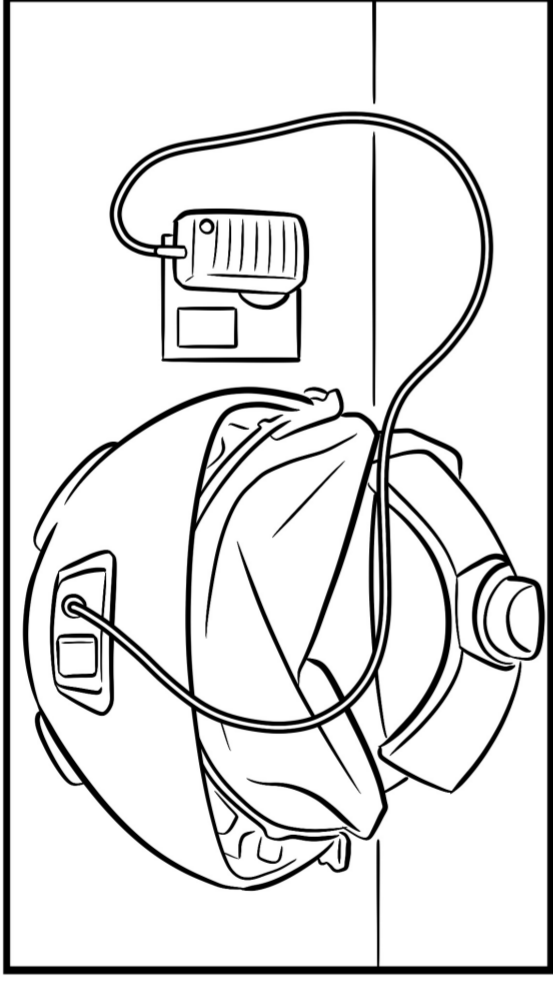
### 5. VISOR

Check that visor and visor protector are attached, clean and have clear visibility.



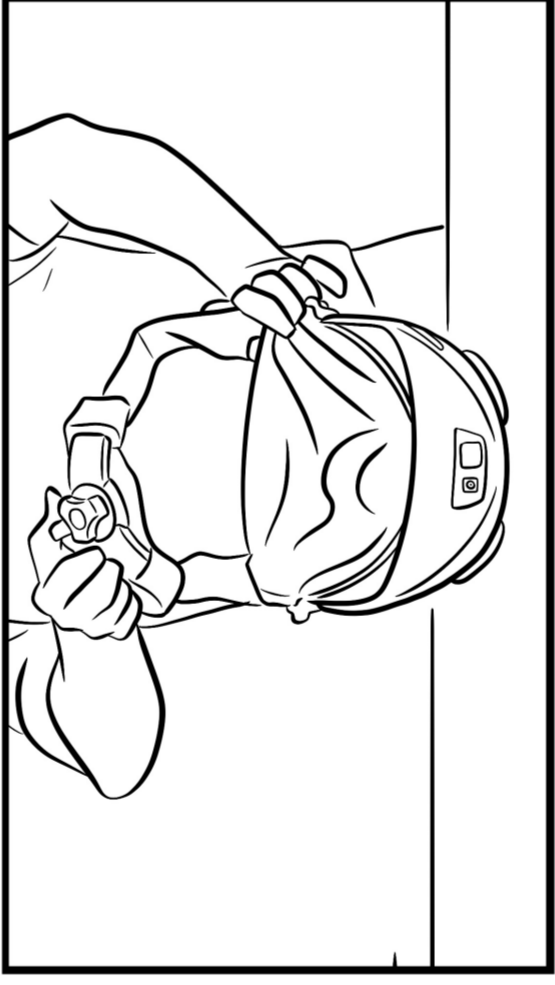
### 9. FACE SEAL

Ensure seal is in contact with face and sealed correctly.



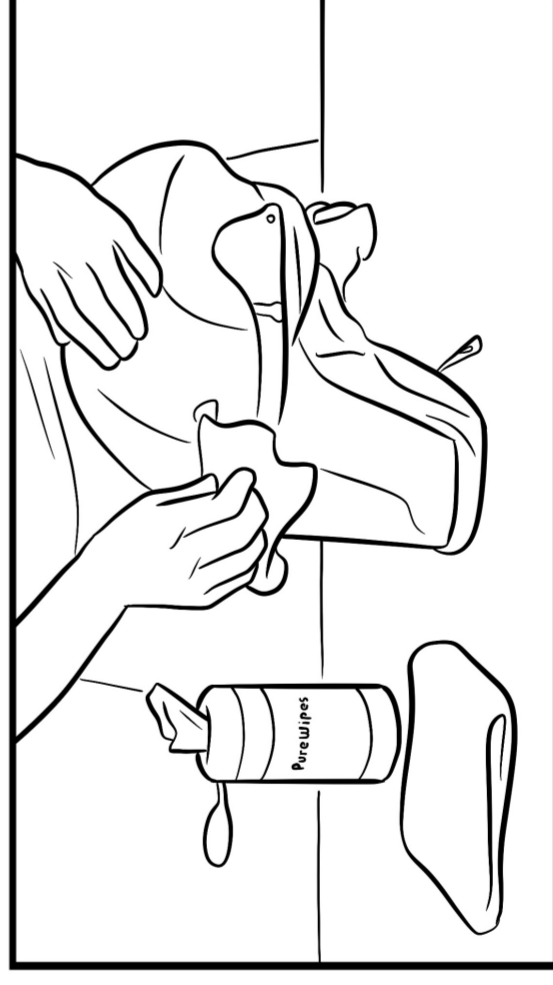
### 2. CHARGING

Fully charge the battery before use with LED showing green on charger. For first use we recommend battery is charged for 24 hours.



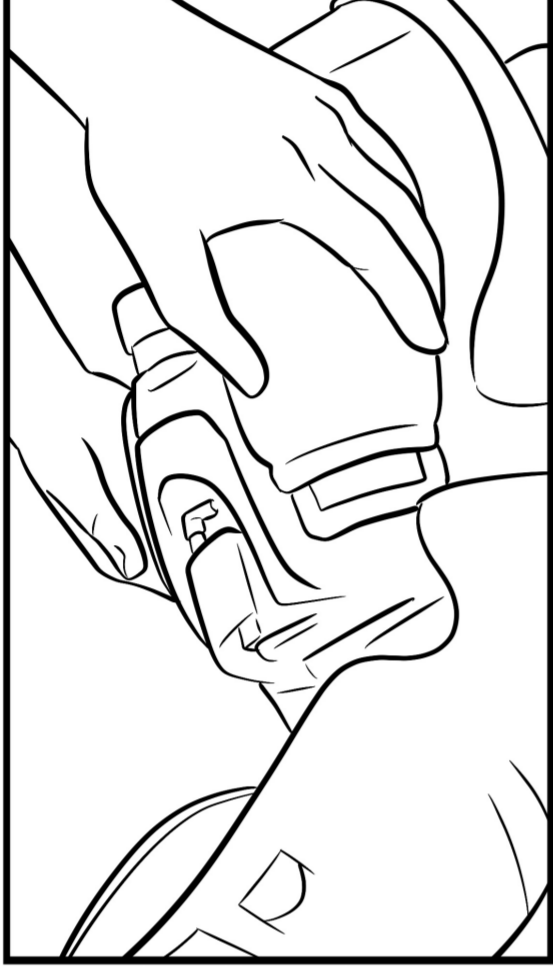
### 6. HEADBAND ADJUSTMENT

Remove headband and adjust crown strap as required and reinstall.



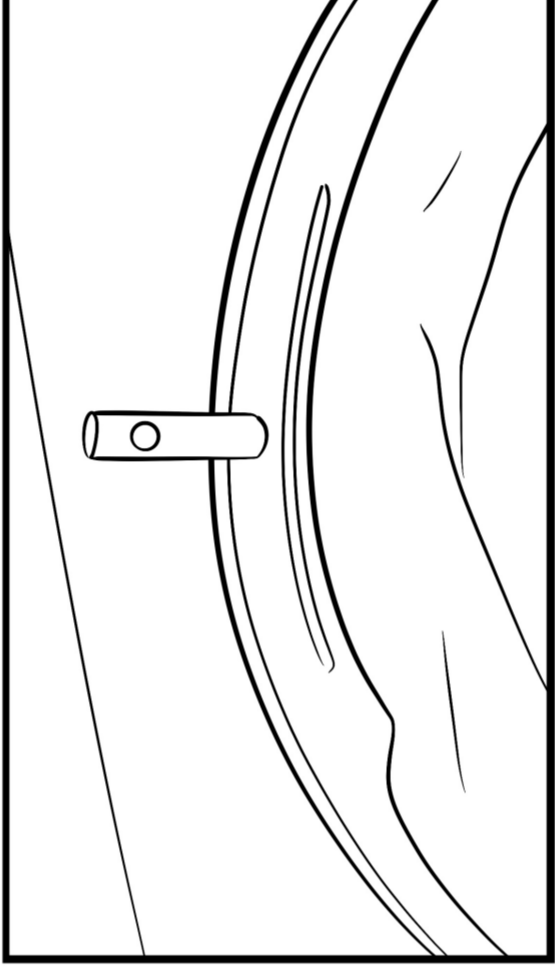
### 10. POST USE

Doff respirator, clean & store away – refer to Daily Maintenance Record Sheet for further detail.



### 3. FILTERS

Check both filters are inserted correctly.



### 7. AIRFLOW INDICATOR CHECK

Place airflow indicator flush to duct outlet, turn on unit and ensure red ball rises to top of tube.



### 4. FACE SEAL

Check that face seal is fully attached and free from tears and abrasions.



### 8. DONNING

With respirator still running, don and tighten ratchet on headband to fit.

## WHEN TO CHANGE THE FILTER OR BATTERY

**Audible Alarm of 2 short fast beeps** = Filter change required

**Short Audible Alarm** = Battery running low

**Long Continuous Audible Alarm** = Battery change required



# PURELITE

Powered Air Purifying Respirator  
DAILY MAINTENANCE RECORD SHEET



<b>Company:</b>	<b>User Name:</b>	<b>Model Type:</b>	<b>Serial Number:</b>
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Day	PRE USE					POST USE		
	<b>Battery Inspection:</b> Ensure the battery is adequately charged and fitted correctly.	<b>Filter Inspection:</b> Check that both filters are installed correctly.	<b>Face Seal Inspection:</b> Inspect the integrity of the face seal.	<b>Visor Inspection:</b> Ensure the visor is clean and provides clear visibility, replace visor protector if required.	<b>Head Top Inspection:</b> Check the integrity of the head top.	<b>Flow Check:</b> Turn on the PureLife and use the flow check meter to test flow rate.	<b>Cleaning:</b> Clean the unit using a mild detergent and clean cloth or use a PureWipe. Ensure the unit is never submerged in water.	<b>Battery Status:</b> Charge the battery if required.
YYYY								
Mon DD/MM								
Tue DD/MM								
Wed DD/MM								
Thu DD/MM								
Fri DD/MM								
Sat DD/MM								
Sun DD/MM								

**Do not swap components from one PureFlo model to another, ALWAYS use genuine PureFlo replacement parts.**



# PURELITE

Powered Air Purifying Respirator  
MONTHLY MAINTENANCE RECORD SHEET



Company:	User Name:	Model Type:	Serial Number:	Annual Service Renewal Date:		
<b>Battery Inspection:</b> <i>Remove the battery, check contacts for dirt or damage. Ensure the battery fully charges and refit.</i>	<b>Filter Inspection:</b> <i>Verify the filters are properly installed.</i>	<b>Face Seal Inspection:</b> <i>Remove and refit checking for dirt, damage and contamination.</i>	<b>Head Harness &amp; Comfort Pads Inspection:</b> <i>Check for dirt, damage and any contamination.</i>	<b>Visor &amp; Visor Protector Inspection:</b> <i>Check for dirt, damage &amp; contamination, and replace as required. Replace visor protector if needed.</i>	<b>Head Top Inspection:</b> <i>Perform an internal &amp; external check for dirt, damage and contamination. Replace shell if required.</i>	<b>Airflow Alarm Test:</b> <i>*For systems manufactured after Nov 2,024. Cover the air outlet with hand until audible warning sounds.  For all systems. Use the flow check meter to test flow rate.</i>
Date						
YYYY						
Jan						
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						
Oct						
Nov						
Dec						

Do not swap components from one PureFlo model to another, ALWAYS use genuine PureFlo replacement parts.  
RPE should only be checked by a trained and competent person. Any repairs should only be carried out by an Authorised Service Centre.  
All PureFlo respirators should be sent for an annual service once per year.  
\*Date of manufacture can be found on the inside of the head top.

## FILTER CHANGE INTERVAL

We recommend changing filters every 28 days, or sooner if required. The actual replacement would depend on factors such as:

- Duration of use.
- Usage location.
- Contaminant concentration (PPM levels).

## RISK ASSESSMENT

Conduct a risk assessment to ensure that filter selection is suitable, and that filter changes occur without exposing operators to hazards.

## FILTER CHANGE INDICATOR

Airflow alarm test (*for systems manufactured after Nov 2024*):

- Airflow monitoring with audible alarm - the alarm will activate (2 short fast beeps) when the airflow is less than 170 L/M. If the alarm activates, leave the area and check/replace filters.

Airflow alarm test (*for all systems*):

- Use the flow check meter to test flow rate.

## TRACKING FILTER USE

- Maintain a log: record filter issue and replacement dates (manually or digitally).

## STEPS FOR EFFECTIVE MONITORING

### COMPLIANCE WITH HSE GUIDANCE

Following these steps ensures compliance with **Health and Safety Executive (HSE)** guidelines, providing a safe working environment and protecting operators from exposure risks.

1. Record the filter issue date on both the filter and the log.
2. Analyse usage data to:
  - establish optimal replacement intervals.
  - prevent filters from becoming blocked (which could damage the motor and batteries).
3. Monitor for patterns of excessive or infrequent filter changes to strike a balance.

**Good practice tip:** Regularly review and update your filter replacement schedule based on collected data and operating conditions. This ensures both safety and equipment longevity.



To maintain protection levels, extend the system's lifetime, and avoid additional replacement costs, regular checks and maintenance of your powered air respirator are essential.

## DAILY CHECKS

- Battery inspection:** Ensure the battery is adequately charged and fitted correctly.
- Filter inspection:** Check that both filters are installed correctly.
- Face seal inspection:** Inspect the integrity of the face seal.
- Visor inspection:** Ensure the visor is clean and provides clear visibility, replace visor protector if required.
- Head top inspection:** Check the integrity of the head top.
- Flow check:** Turn on the PureLite and use the flow check meter to ensure the correct flow is established.

## MONTHLY MAINTENANCE

- Perform all daily checks and maintain a monthly maintenance log.
- Refer to the **Monthly Checklist and Maintenance Records**.

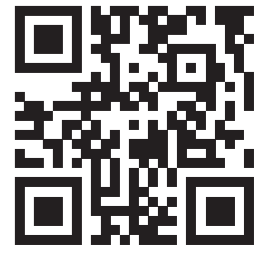
## AFTER USE

- Cleaning:** Clean the unit using a mild detergent and clean cloth or use a PureWipe. Ensure the unit is never submerged in water.
- Battery status:** Charge the battery if required.
- Storage:** Store the respirator in a dry, clean area/locker, away from direct sunlight, high temperatures or solvents.

## EVERY FILTER CHANGE

- Inspect the filters for damage and replace if necessary.
- Follow the **Filter Change Guide** for proper procedures.
- Ensure the filters are in date and are installed correctly.
- When removing the filters ensure the respirator visor is facing upwards, remove the filters downward, away from the unit, to avoid contaminating the motor/fan unit.

## Additional Resources



Download this poster  
Scan QR code to access.



PureLite spares:  
Scan QR code to download the complete list.



## MAIN PARTS & ACCESSORIES

Description	Part Number
1 Filter TH2P (pair)	PL01170-1SP
2 6hr battery pack	PL01171-1SP
3 Battery charger	PL01172-14SP
4 Charging cradle	PL01182-2SP
5 Quick release headband assembly	PR01601SP
6 Comfort/hygiene pad kit	PR01077SP
7 Super comfort/hygiene pad kit	PR01078SP
8 Head cover & face seal for QR headband	PL03119SP
9 Visor assembly	PL01173-1SP
10 Airflow indicator	PL01178-2SP
11 Visor overlays - clear (pack of 10)	PL01185-2SP
12 Disposable wipes PUREWIPE	PR0110SP
13 PureFlo protective carry bag	PF3000-03-017
14 Cover	PL01174-2SP
15 Fan motor assembly	PL01177-2SP
16 ON/OFF switch	PL01179-2SP

## ORDERING CONSUMABLES, SPARE PARTS, AND ACCESSORIES

For servicing and repairs, requesting a quote, or placing an order, contact your PureFlo Approved Distributor.



**To maintain the correct levels of protection, replace all damaged or worn parts.**

# PureLite<sup>®</sup>

(EN/AUS/NZ)

## Parts & Accessories




The PureLite system is an entry level, battery-powered respirator providing protection for respiratory, eye, face and hearing, all-in-one, lightweight system. The head-mounted design provides optimum balance with no trailing leads or waist-mounted power pack.

The full-face shield provides excellent all around vision and impact protection. With no face fit testing required, this is the perfect solution for those with facial hair or prescription glasses.


**For more information and to purchase, please contact your distributor or visit [gentexcorp.com/pureflo](http://gentexcorp.com/pureflo)**


Product	Part Number	Description	Product	Part Number	Description	Product	Part Number	Description
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### FILTERS


	PL01170-1SP	Filter TH2P (pair)
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### SPARE PARTS


	PL01172-14SP	Battery charger
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	PL01171-1SP	Battery pack
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	PL01182-2SP	Charge cradle
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	PL01174-2SP	Cover
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	PL01173-1SP	Visor assembly
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	PL03119SP	Head cover & face seal for Q/R headband
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	PR01601SP	Quick release headband assembly
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	PR01077SP	Hygiene/comfort pad kit
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	PR01078SP	Super comfort/hygiene pad kit
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	PL01179-2SP	On/Off switch assembly
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	PL01177-2SP	Fan motor assembly
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	PL01178-2SP	Airflow indicator
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	PL01185-2SP	Visor overlays - clear (pack of 10)
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### ACCESSORIES

	PR01110SP	Disposable Wipes PUREWIPE
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