



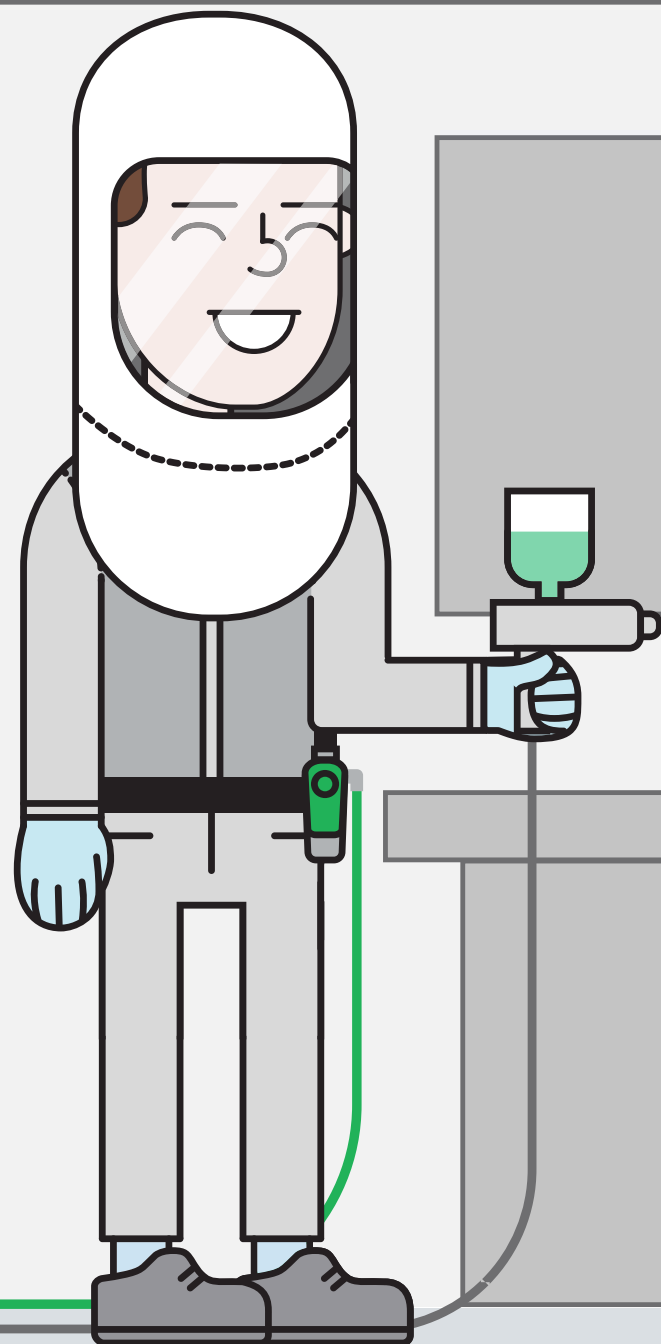
Protecting you for life's *best* moments.®

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GVS-RPB® Respirator Selection Guide For Painting & Coating



A quick guide to help you
choose the right protection.



Join us as we take
you step-by-step
through everything
you need to know when
it comes to selecting
the right painting and
coating respirator.



Know your environment

In order to choose the right respirator, you need to know what hazards are present in your environment and consider any other safety challenges you may be facing while painting.

Here are some simple questions to ask yourself to help better understand your PPE needs.

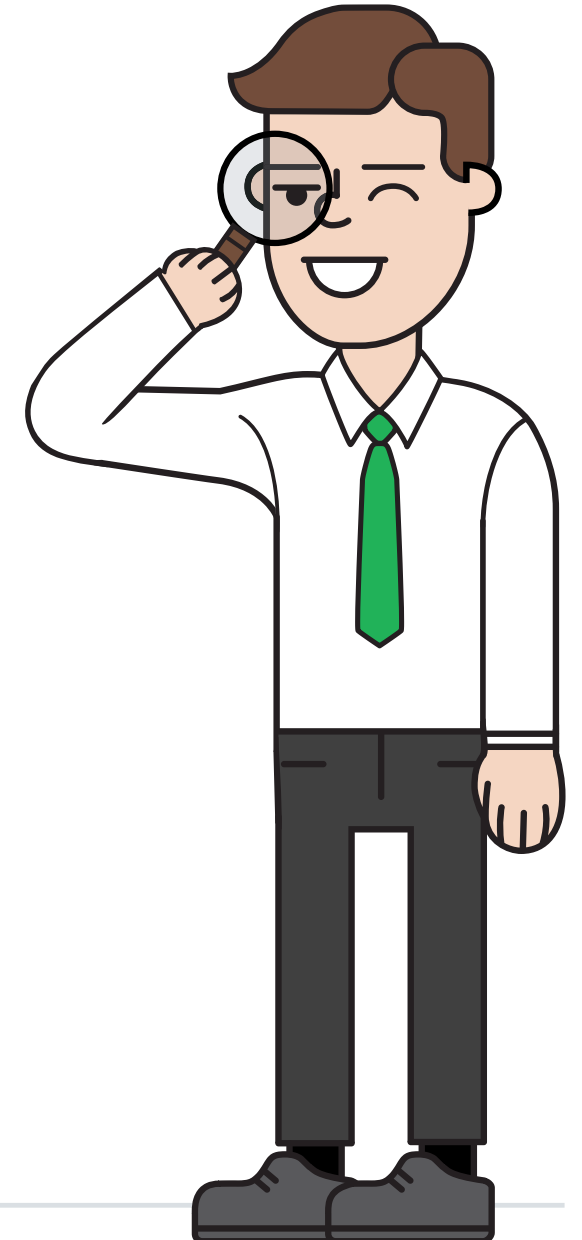
- What are the hazards in your application?
- What materials do you work with?
- Do you work in confined spaces?
- What movement is required in your role?
- How long do you wear a respirator for throughout the day?
- Is there overspray?
- Does it get hot when you work?
- Do you have any respiratory health issues?

Your answers to these questions will help determine which type of respirator will give you the protection you need.

There is a wide range of respirators available which include negative pressure tight-fitting and positive pressure loose-fitting.

The following pages will explain the different types of respiratory protection available, and compare these against the previously mentioned points of consideration.

Let's take a look!



Understanding different types of respiratory protection

Negative Pressure and Positive Pressure

What is a negative pressure respirator?

A negative pressure respirator works by the lungs drawing in ambient air as they breathe. As the air is drawn in, it passes through a filter to remove particulates, gases, and vapors.

Because you draw in the air with your lungs, the respirator requires a tight seal along the face to ensure unfiltered air does not enter. This creates negative pressure within the respirator.

This type of protection is best suited:

- If you only need to wear respiratory protection for short periods of time.
- If you are working in well ventilated areas.
- If you require freedom of movement to navigate the worksite.
- For applications that have minimal overspray.



Understanding different types of respiratory protection

Negative Pressure and Positive Pressure

What is a positive pressure respirator?

A positive pressure respirator refers to the combined effort of both a loose-fitting headtop and its air supply.

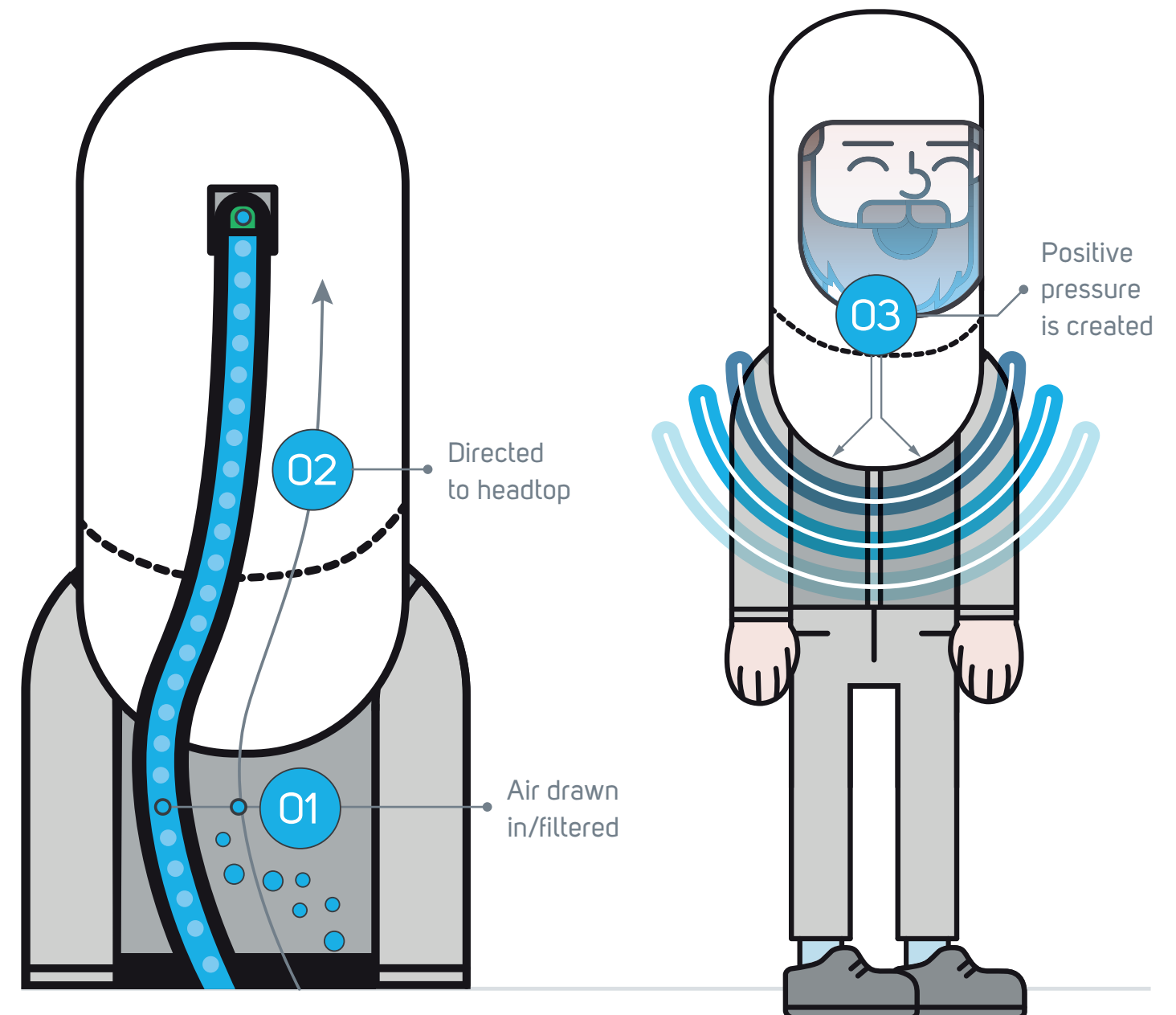
How does a positive pressure respirator work?

Air is either drawn in from the immediate environment via a battery powered fan (PAPR), or externally with an air compressor (SAR). As the air is drawn in, it's filtered and then passed to a headtop.

Because the air that is being supplied to the headtop at a greater rate than external ambient air is able to enter, this creates positive pressure & allows for a loose seal along the headtop.

Benefits of a positive pressure respirator

- Requires no fit-testing
- Allows for facial hair
- Reduces the effects of fatigue through positive pressure breathing.
- Provides complete eye and face protection.
- Aids in regulating body temperature.



Understanding different types of respiratory protection

Powered Air and Supplied Air

Powered Air Purifying Respirators (PAPRs) are ideal for:

- Applications that require a greater range of movement.
- Applications that are hard to reach.
- All day protection.

Supplied Air Respirators (SARs) are ideal for:

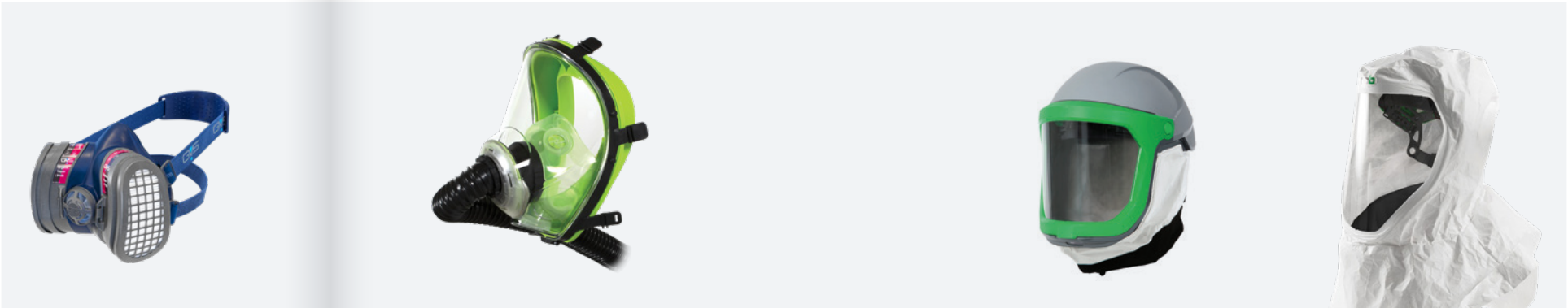
- Areas that require climate control.
- Working in confined spaces.
- Production line work.
- Work that creates toxic gases.
- All day protection.



Understanding different types of respiratory protection

Here's a quick summary of the different types

Please note, this is a guide only, always refer to your local governing body to ensure you are complying with workplace regulations and guidelines.



Protection Offered	Half-face	Full-face	Loose-fitting
Pressure	Negative	Both: most commonly negative pressure but can be paired with supplied air.	Positive
Fit test required	Yes	Yes	No
Can accommodate facial hair	No	No	Yes
Hearing protection	No	No	Available
Eye protection (high velocity impact)	No	Yes	Available
Chemical protection	No	No	Yes
Overspray/rebound protection	Mouth and nose	Whole face	Head, shoulders, and torso available

Other areas of protection:

Protection you may require

It's also important to consider the other types of protection you may require for your job, whether this is skin, head, eye, or hearing.

Depending on the types of exposures you have in your environment, you may need to protect these areas very rarely, or it may be a constant hazard.

With tight-fitting respirators, all of these elements have to be added separately, i.e. safety glasses, hard hats, earmuffs, neck sock. This is an important factor to consider as this can increase the cost of the system significantly.



Additional PPE

On the other hand with loose-fitting respirators, these have the ability to incorporate additional PPE into the one system, so it's always there.



Protecting you for life's best moments.

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Eye protection

T-Link®



High velocity impact protection

T200®



Optional approved safety lens

Head protection

Built in hard hat protection



Z-Link®

Optional hard hat or bump cap protection



T-Link®

Optional bump cap protection



T200®

Ear protection

Quiet-Link®



Z-Link®
T-Link®

Quiet-Link® Slim



T200®

Enhanced visibility

T-Link®
Z-Link®



Vision-Link®

Tychem® hose cover





Protecting you for life's **best** moments.®

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