



b hler 359-2022-GL Particle Filter Guardian Air User Manual

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USER INSTRUCTION MANUAL

Please read the user instruction manual before using the respiratory system and be aware of the following points:

- The person using the respiratory system must have read the user manual and fully understood the functions and settings on the PAPR system.
- The oxygen level in the working area must be minimum 19.5% volume
- Areas lacking in ventilation, such as manholes, containers, working inside pipe lines or areas where contaminants are above 20 times the relevant exposure level should not be entered with our PAPR system carrying the P R SL filter
- The composition of the fumes generated during the welding process must be known.
- Particle filters can't be used to filter organic fumes and vapors
- If work is required in areas with particles, fumes and vapors you will need a combination filter with the adequate PAPR system
- Guardian Air must be used according to the concentration of fumes and vapors in the ambient air.
- P R SL filter must be used in combination with a tested Böhler blower unit
- Do not use Guardian Air in areas where explosions might occur.
- If the blower unit acoustic alarm sounds please leave immediately the working area and get into a non-contaminated environment.
- Use the PAPR system in conditions where the temperature is not below 0°C and maximum of +40°C

All products returned for warranty replacement will be accepted only if the blower unit has been cleaned, inspected and the P R SL filter replaced with regularity – every 2 weeks minimum.



WARNING

- Use only particle filters produced by Böhler.
- It should first be ascertained by consulting an occupational hygienist or by calling the manufacturer's technical help line as to whether or not the Böhler Filter will offer suitable protection.

- Please use P R SL filters packed in original packaging only, unsealed products should not be used.

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- P R SL filters with damaged sealing gasket or any visible damage to the casing should not be used.

Fault Finding

- Should the alarm sound on the PAPR system please leave the working area and inspect the unit in a non-contaminated working place.
- With the Guardian Air powered remove the P R SL filter to establish if the blockage of the filter is causing the alarm to sound; if the alarm still sounds after removing the filter it might be that the unit needs re-charging.
- Guardian Air will sound for 4 seconds once powered; if the alarm still sound after 4 seconds please check if the hose has no blockage; otherwise the battery needs re-placing or re-charging.
- Inspect the PAPR system and reassure the P R SL filter is sealed; only then assemble the new filter into the blower unit.

Removing the Filter

Open the filter cover by pulling the cover outward from the right side of the blower.

To remove the filter, pull it out of the unit. Clean the unit from dust ensuring no dust enters the air inlet.

Fitting the Filters

Insert the new filter back into position. Push it gently in until it fits well on the body of the unit. Put the pre-filter and spark guard in place. Close the filter cover. Pay special attention, the filter

Filter markings

P R SL-Filter:	Part No.: 86645 (4 pieces)
Colour marking:	White
Manufacturer's name:	voestalpine Böhler Welding GmbH
Meets EN norms:	EN12941:1998
Notified body number:	0082
Product label:	see filter label

Applications

The P R SL filter can be used against the majority of particles (hard particles, fluid-aerosols, bacteria, viruses and enzymes); against radioactive dust, microorganisms and enzymes the P R SL filter should be used only once.

Storage

The P R SL Filters should be stored in a dry, clean area, in the temperature range of 0°C to +40°C and relative humidity less than 75% RH. The Filters must be protected from dust, particles and other contamination when stored.

Product life

The P R SL Filter life-time depends on the conditions and the concentrations of particles where this product is being used as well as the length of time the system is being used by the operator

ATTENTION!

Never use second hand filters. Never attempt to clean a filter – failure to adhere to these instructions is likely to invalidate any warranty claim

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References

- [voestalpine Böhler Welding - voestalpine Böhler Welding](#)