

Application

- This guide applies to particle and combined filters designed for use with the TECMEN ExFlow E4-T intrinsically-safe PAPR unit. These intrinsically-safe filters help protect against airborne contaminants like metal dust, fine particles, and pollutants.
- For proper respiratory protection, ensure the filters are correctly installed on the PAPR unit.
- Do not use in highly toxic atmospheres. Refer to AS/NZS 1715.
- Provides P3 protection only with full facepiece respirator.
- Provides P2 protection with half facepiece respirator.

MARKINGS ON THE FILTER

Part No.	Marking	Color Code	Protection Against
ExFlow E203	P (R SL)	White	Particulates (R=reusable, SL=test against sodium chloride and paraffin oil)
ExFlow E204	A1B1E1K1P3	Brown / Grey / Yellow / Green / White	Organic gases / Inorganic gases / Sulfur dioxide, acidic gases / Ammonia and organic ammonia derivatives Particulates (R=reusable, SL=test against sodium chloride and paraffin oil)
ExFlow E205	A2P3	Brown / White	Organic gas and vapor, boiling point > 65°C Particulates (R=reusable, SL=test against sodium chloride and paraffin oil)

Fitting

- Inspect the filter before initial or re-installation. Replace damaged parts immediately. Thoroughly inspect the outer plastic shell, including corners and connection points, and replace any damaged parts promptly. If the filter has been mishandled or dropped, re-inspect fully.
- Optional filters are available for different work requirements. Insert the filters into the slots on the edge of the filter cover, ensuring that the bottom tabs are securely snapped into place. Follow the installation order as specified in the diagram below (pre-filter, particle/combined filter). Always ensure that the filters are correctly installed, and close the outer cover properly.

①: Pre-filter → ②: Particle/Combined filter (A1B1E1K1P3/A2P3)

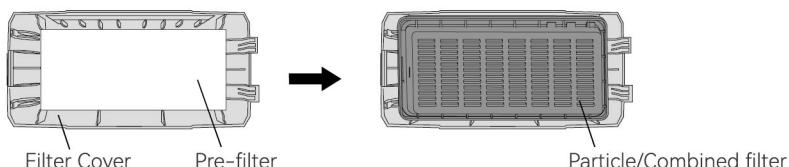


fig.1

Disassemble (only in pollution-free areas)

1. Switch off the product completely before disassembling.

2. Press the push button to disconnect the cover. Reinstall the filter that needs replacement (See fig.2).

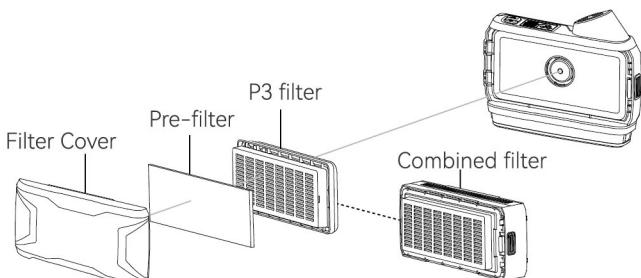


fig.2

Possible Incorrect Use

Always correctly use and maintain the filter assembly. Failure to do so may reduce respirator performance, overexpose you to contaminants, and may result in sickness or death.

- a. Inspect filter and filter seal before each use and immediately replace if damaged.
- b. Always properly install the filter into the blower unit.
- c. Keep filter seal clean.
- d. Never attempt to clean filters by knocking or blowing out accumulated material. This may result in damage to the filter membrane allowing hazardous particles to enter the breathing zone.

The filter-loading indicator reflects particle clogging only. It does not provide any information about gas & vapor service life. Attempting to use the filter loading indicator for gases and vapors may result in sickness, or death.

Do not use the TECMEN PAPR system with a heavily loaded spark screen without the spark screen properly installed. Exposing a heavily loaded spark screen, or filter assembly to direct contact with sparks or molten metal spatter may damage the filter, allowing unfiltered air into the breathing zone, which may result in sickness or death, and may cause the filter or blower housing to ignite, resulting in serious injury, sickness or death.