

**ZA2P3 (0601019)  
HE/OV Chemical Cartridge****1. DESCRIPTION****ZA2P3 COMBINED CARTRIDGE**

It is made up of 2 parts - the first of finely pleated technical paper and the other of activated carbon. Both parts are packed into a single plastic housing with covers and seals.

**2. TECHNICAL CHARACTERISTICS**

The ZA2P3 HE/OV combined cartridges are recommended for respiratory protection against organic vapors and particulates at a high efficiency level on condition that the oxygen percentage in the atmosphere is not less than 19.5%.

When the HEPA filtering portion of a cartridge is exhausted, an increase in drop pressure is registered on the filter. This is indicated by a progressive diminishing of the airflow inside the respirator.

Before occupational use of these cartridges the employer shall implement a cartridge change schedule based on objective information or data that will ensure the cartridges are changed before the end of their service life (as per requirements of the OSHA 1910.134 Respiratory Protection Standard).

Time use limitations:

Replace cartridges in accordance with an established change schedule or earlier if smell, taste or irritation from contaminants is detected and, in any case, prior to the expiry date indicated on the label affixed to the cartridge.

**IN CASE OF DOUBT REGARDING THE TYPE OR EFFICIENCY OF THE CARTRIDGES CONTACT KASCO AT [kasco@kasco.eu](mailto:kasco@kasco.eu)**

**3. USE AND MAINTENANCE****3.1 ZA2P3 CARTRIDGE**

- If sealed, the cartridges remain unaltered until the expiry date indicated on the affixed label.
- Cartridges cannot be washed, blown out or restored. When exhausted they must be disposed of.
- To prolong the life of the activated carbon portion of the cartridge always cover the cartridge with the supplied plastic cover 24 hours after use.

**4. LIMITATIONS**

- 4.1
- Do not use in atmospheres immediately dangerous to life or health.
  - Do not wear for protection against organic vapors with poor warning properties.
  - Do not wear for protection against organic vapors which generate high heats of reaction.
  - Max. use concentration shall be lower than 1.000 parts per million organic vapors where that concentration produces atmospheres immediately dangerous to life or health.
  - Do not use with fumigants.
  - Do not use in closed environments (tanks, silos etc.).
  - Do not use in atmospheres containing less than 19.5 % oxygen.
  - Do not use for protection against Carbon monoxide (co) or natural gas.
  - Do not use in explosive atmospheres.

**5. CAUTION**

- To be used only by qualified personnel trained in accordance with a respirator program as outlined in ANSI Z 88.2-1980.
- Do not use the cartridge in the conditions described at paragraph 4.1.
- Do not use expired cartridges even if seals are still intact.
- Return to fresh, clean air immediately if:
  - leakage is detected by smell, taste or eye, nose or throat irritation.
  - inhaled air become extremely hot.
  - any feeling of nausea, dizziness or ill being develops.

**6. WARNING**

KASCO DECLINES ANY LIABILITY EITHER DIRECT OR INDIRECT AND WILL RETAIN ANY TYPE OF WARRANTY FORFEITED ON THE INSTANT SHOULD CARTRIDGES OTHER THAN GENUINE KASCO CARTRIDGES AND SPARES BE MOUNTED ON THEIR RESPIRATORS.



KASCO  
Via Romania 12 - 42124 Reggio Emilia - ITALY  
Tel: +39 0522 308232 - Fax: +39 0522 939803



THIS CARTRIDGE IS APPROVED ONLY IN THE FOLLOWING CONFIGURATIONS:

| RESPIRATOR COMPONENTS |                         |                              |         |           |             |         |         |            |         |                          |         |                   |         |                |         |                  |                                       |
|-----------------------|-------------------------|------------------------------|---------|-----------|-------------|---------|---------|------------|---------|--------------------------|---------|-------------------|---------|----------------|---------|------------------|---------------------------------------|
| TC-                   | PROTECTION <sup>1</sup> | ALTERNATE FACEPIECE - HELMET |         | CARTRIDGE | BLOWER UNIT |         | BATTERY | CORD ASS.Y |         | ALTERNATE BREATHING HOSE |         | AIRFLOW INDICATOR |         | ALTERNATE BELT |         | 3 WAY CONNECTION | CAUTIONS AND LIMITATIONS <sup>2</sup> |
|                       |                         | 0302009                      | 0302021 |           | 0601019     | 0303006 |         | 0303038    | 0309064 | 0309081                  | 0309153 | 0309095           | 0309109 | 0806008        | 0806022 |                  |                                       |
| 23C-1562              | OV/HE                   | X                            |         | X         | X           |         |         |            | X       |                          | X       |                   | X       |                | X       | X                | ABCFHIJLMNOP                          |
| 23C-1572              | OV/HE                   | X                            | X       | X         |             | X       | X       | X          |         | X                        | X       | X                 |         | X              | X       |                  | ABCFHIJLMNOP                          |

### 1. PROTECTION

HE - High Efficiency Particulate Air filter for powered air-purifying respirators

OV - Organic Vapor

### 2. CAUTIONS AND LIMITATIONS

A-Not for use in atmospheres containing less than 19.5 percent oxygen.

B-Not for use in atmospheres immediately dangerous to life or health.

C-Do not exceed maximum use concentrations established by regulatory standards.

F-Do not use powered air-purifying respirators if airflow is less than four cfm (115 lpm) for tight fitting facepieces or six cfm (170 lpm) for hoods and/or helmets.

H-Follow established cartridge and canister change schedules or observe ESLI to ensure that cartridges and canisters are replaced before breakthrough occurs.

I- Contains electrical parts that may cause an ignition in flammable or explosive atmospheres.

J-Failure to properly use and maintain this product could result in injury or death.

L-Follow the manufacturer's User's Instructions for changing cartridges, canisters and/or filters.

M-All approved respirators shall be selected, fitted, used and maintained in accordance with MSHA, OSHA, and other applicable regulations.

N-Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.

O-Refer to User Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.

P-NIOSH does not evaluate respirators as surgical masks.