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PRODUCT NUMBER: 1785019

## Aluminium CANISTER 450 A2B2E2K1 HG P3

### Overview

#### Reference Number

1785019

#### Product Type

Respiratory Protection

#### Range

Reusable APR

#### Brand

Sperian

#### Brand formerly known as

FERNEZ by Willson

#### Industry

● Industry

#### Product Use

The A2 B2 K2 E1 Hg P3 filter is used for protection against types A, B, E, K and Hg toxic gases according to the EN 141:2000 standard as well as mercury vapours, dust and toxic particulates and solid or liquid aerosols according to the EN 143 class 3 standard: high filter efficiency (99.95%).

This filter is used with a Sperian full-face mask using an RD 40 connector.

The full-face mask and A2 B2 K2 E1 Hg P3 filter set must only be used when the toxic

concentration is less than 1000 x TLV.  
(TLV= TWA for 8 hours of work or STEL for 15 minutes of work)  
(cf. INRS document ed. 780 "Respiratory protection devices").

**They can only be used in sufficiently ventilated premises where the atmosphere contains a minimum oxygen volume of 17 %.**

**CHARACTERISTICS :**

- Type 450 cc
- Lightweight and resistant aluminium alloy housing with plastic cover
- 107 mm in diameter
- Does not obstruct the field of vision
- EN 148-1 conforming threaded connection to the Sperian full-face mask, ensuring a reliable connection and an excellent seal
- Activated and impregnated coconut carbon
- Very high absorption efficiency.

*BREATHING RESISTANCE AT 30L/MIN: 2.07 at 2.1 mbar*

*BREATHING RESISTANCE AT 90L/MIN: 7.25 at 7.29 mbar*

*BREAKTHROUGH TIME for the Hg*

*MEASUREMENT ACCORDING TO THE STANDARD: GREATER THAN 150 HOURS (The standard requires 100 hours: therefore it is 50% higher than required).*

**GASES TESTED :**

EN 141 standard cartridge test chart

The tests are carried out according to the A2, B2, K2 and E1 paragraphs.

The Willson cartridges pass the tests by a significant margin.

**GASES TESTED :**

- Mercury vapours Hg
- The concentration by volume of the test gas is 13 mg/m<sup>3</sup>
- The tested air flow is 30 litres per minute
- Minimum duration required before "breakthrough" : Hg 100 hours.
- Aerosols tested :
  - \*Paraffin for liquid particulates
  - \*Sodium chloride for solid particulates
- The tested air flow is 95 litres per minute
- The aerosol penetration for the test must be less than :
  - \*0.05% for sodium chloride
  - \*0.05% for paraffin oil
- Breathing resistance less than :
  - 2.6 mbar at 30l/min
  - 9.8 mbar at 95l/min.

**PACKAGING :**

Packaged in individual cardboard boxes.

In case of a claim on this product, please indicate the lot number shown on the label.

**Features & Benefits**

**Feature**

Aluminium casing

**Benefit**

- Less of an impact from external shocks - Memory of shocks – physical 'tell-tale'

**Feature**

Coconut based carbon

**Benefit**

Optimal period of use

**Feature**

P3 filter

**Benefit**

Constant OPTIMAL FILTRATION

**Feature**

Filter structure

**Benefit**

Lower breathing resistance – less user fatigue

**Feature**

Service life

**Benefit**

Product offering quality and the possibility of safe storage between periods of use

**Feature**

Tightness test

**Benefit**

Wearer safety

**Feature**

Packaging

**Benefit**

- Safe - Easy storage

**Certifications**

**EC Category PPE**

3

**Quality Assurance**

ISO 9001 / 2000

**EC Certificate Number**

0070-236-079-06-04-0037

**EC Attestation**

EC Attestation

**EC Attestation Number**

0070-236-079-06-04-0037

**Photos & Images**

We're sorry, there are no images available at this time.

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**Honeywell**

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