

## AfroxPac 35 Self-Contained Self-Rescuer

AfroxPac 35 is a self-contained, closed-circuit, chemical oxygen-generating body-worn emergency breathing apparatus.

### Rated Duration

30 minutes at a ventilation rate of 35  $\ell \cdot \text{min}^{-1}$

45 minutes at a ventilation rate of 30  $\ell \cdot \text{min}^{-1}$

### Resting Duration

>120 minutes at a ventilation rate of 10  $\ell \cdot \text{min}^{-1}$



### Oxygen Generation

<b>At Start-Up (1-2 minutes)</b>	Spec: $\geq 19\%$	Typical: $> 20\%$
<b>In Use (10 minutes to termination)</b>	Spec: $\geq 21\%$	Typical: $> 90\%$

### Carbon Dioxide<sup>1</sup>

<b>Maximum</b>	Spec: $\leq 3\%$	Typical: 1% at 30 min
<b>Average</b>	Spec: 1,5%	Typical: 1% at 30 min

### Maximum Temperature of Inhaled Gas

$\leq 50^\circ\text{C}$

### Breathing Resistance

<b>Inhalation/Exhalation</b>	Spec: $\leq 1 \text{ kPa}$	Typical: 0,7 kPa
<b>Sum of Resistance</b>	Spec: $\leq 1,6 \text{ kPa}$	Typical: $< 1,3 \text{ kPa}$

### Functional Performance<sup>2</sup>

Average duration (at 35  $\ell \cdot \text{min}^{-1}$ ) exceeds 35 minutes after 5 years in service

### Standards

Complies with SANS 1737

Afrox Safety Self-Rescue Division is ISO 9001, TÜV ISO 9001, ISO 14001 and ISO 18001 certified

### Container

- Stainless steel
- Outside-corner wear-protection caps
- Belt-loop wear-protection
- Moisture indicator, visible for on-the-rack inspection
- Dual tamper-seal system, primary seal replaceable by owner
- Anti catch protection on release lever

### Container Leak Rate

<b>New</b>	$< 5 \text{ Pa/s at } -60 \text{ kPa}$
<b>In Service</b>	$< 200 \text{ Pa/s at } -20 \text{ kPa}$

# PRODUCT DATA SHEET

## Mass

<b>Full set (Including case)</b>	2,2 kg
<b>Breathing Apparatus</b>	1,2 kg

## Dimensions

<b>Height</b>	195 mm
<b>Width</b>	172 mm
<b>Hip-Out</b>	101 mm

## Oxygen Source

Potassium superoxide ( $\text{KO}_2$ )

## Activation

Oxygen generation is initiated by moisture in the exhaled breath of the user. No 'self-starter' is required

## Breathing Bag

10 l volume

## Shelf-Life

Exceeds 10 years on the storage rack. Specific conditions of use may reduce functional performance

## Identification

Individual serialisation and month of manufacture

## Batch Testing

Samples for independent functional performance batch testing by CSIR Knowledge Services are selected and tested at a rate of 0,5 – 1% of new production

<sup>1</sup>Input  $\text{CO}_2$  at 4,5% in exhaled gas

<sup>2</sup>As tested annually by an independent monitoring authority. Report available on request

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