

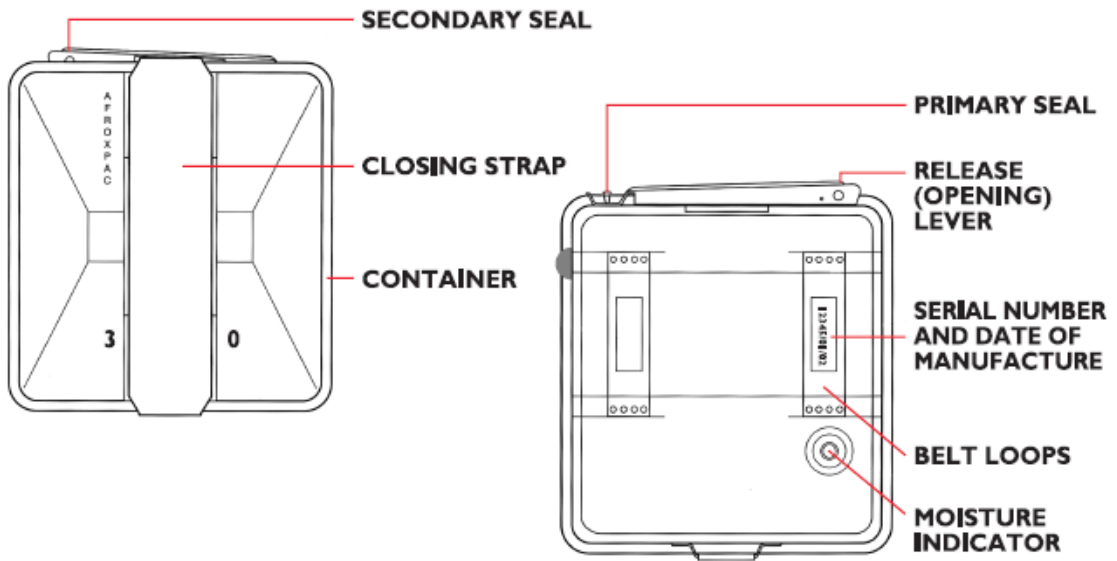
FEATURES OF THE AFROXPAC ESCAPE TYPE BREATHING APPARATUS

I. Container (Outer casing)

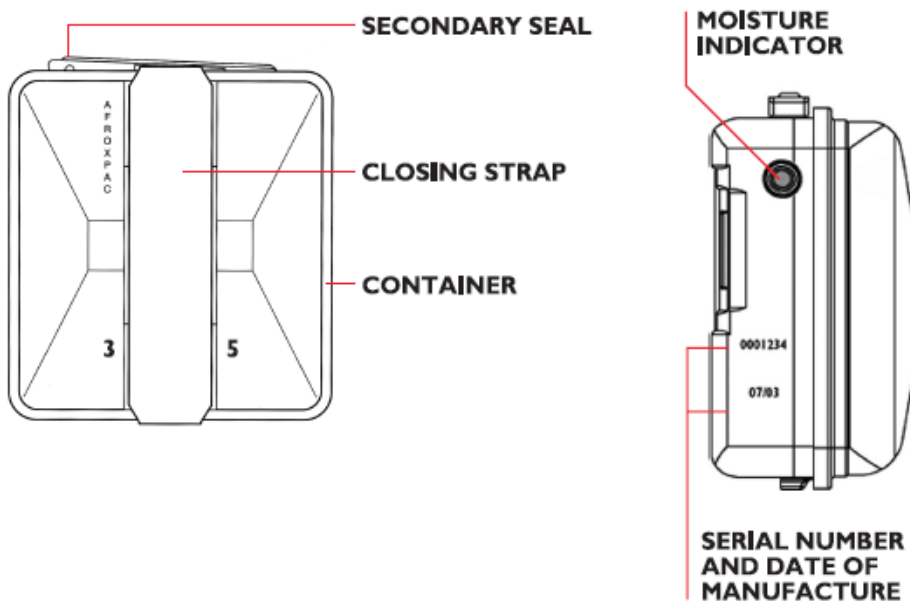
- Made from 304 non-magnetic stainless steel which will protect the AfroXPac from damage given most underground mining conditions.
- Ergonomically designed, with recessed belt loops for maximum comfort.
- Small hip-out dimension allowing for freedom of movement in confined spaces.
- Ease of wear does not restrict workers' ability to perform tasks; productivity is therefore not affected.
- Lightweight and easily attached to the special Afrox miner's belt. (The conventional miner's belt supplied by mines to underground workers is not regarded as suitable for suspending SCSRs.)
- Incorporates a primary or anti-tampering seal (replaceable by trained mine personnel) to protect the main or secondary seal from being inadvertently broken.
- Moisture indicator is clearly observable and consists of a quick-acting litmus paper that changes colour from blue to pink should moisture enter the container.
- Each unit has an engraved manufacturer's serial number for control purposes.
- Easy to activate during an emergency.

The outer components of the AfroXPac SCSR are graphically presented in Figure 2.

(Figure 2) OUTER components OF AFROXPAC 30 SCSR



(Figure 2) OUTER components OF AFROXPAC 35 SCSR



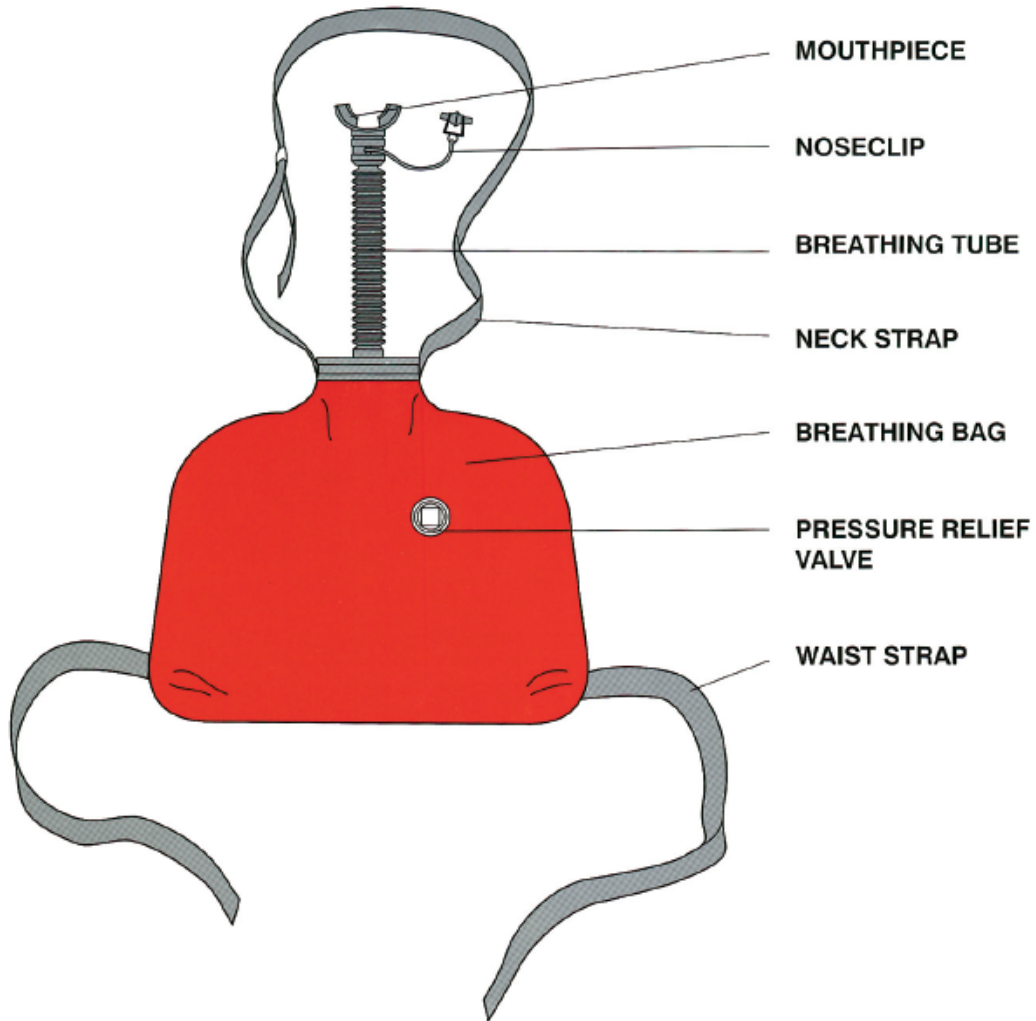
2. Ready-for-use Apparatus

Comprises:

- A well designed mouthpiece plug to ensure that in the event of moisture entering the container, the chemical will not be contaminated quickly.
- A mouthpiece, breathing tube and shroud, made of moulded silicone rubber, to ensure that no component deterioration occurs.
- A specially designed nose clip which will suck onto the nose.
- A ten litre breathing bag to accommodate extraordinary tidal volumes, and a relief valve to release excess oxygen.
- An easily adjustable neck strap and waist strap to ensure wearer comfort.

The components of the ready-for-use apparatus are graphically presented in Figure 3.

(Figure 3) The components OF THE READY-FOR-USE APPARATUS



Note:

The AfroxPac has not been fitted with a self-starting device. The chemical and chemical bed has been designed to start liberating oxygen soon after the first breath is exhaled into the apparatus.