SavOx Chemical Oxygen Self-Rescuer

Fast escape in case of hazardous concentrations of toxic gases or oxygen deficiency

Application

The Chemical Oxygen Self-Rescuer SavOx is a self-contained respiratory protective escape device. It is ideal for all escape applications wherever toxic gases, particles or oxygen deficiency must be expected suddenly. Perfect areas of applications are: Breweries, Escape/Rescue Chambers, Hazmat Transport, Mining, Nuclear Power Plants, Oil-Platforms, On Board Escape, Petrochemical Industries, Power Plants, Rescue Services, Silos, Surface Mining, Tunnel Construction, Water Locks Areas, Water Treatment, Water Utilities, Waste Sites.

The SavOx is always ready for use in an emergency situation without requiring costly maintenance. With its small size and low weight the SavOx can be carried along constantly on the person ensuring the escape set is always within hands reach. Donning and use can easily and economically be trained with the training version SavOx TR with exchangeable mouth piece connector and without consuming a chemical canister.

Design and Function

The indicator window shows with its blue segment the ready for use status of the SavOx. Donning and starting up for use are very easy and done within seconds. SavOx supplies sufficient oxygen to the user for at least 30 minutes duration (EN 13794). The principle of generating oxygen from the chemical potassium superoxide (KO_2) provides an oxygen supply controlled by the user's consumption. The oxygen supply always adjusts itself to the demand. The possible service time of the apparatus is controlled by the breathing intensity of the user. An automatic starter supplies additional oxygen for the initial breathing phase.

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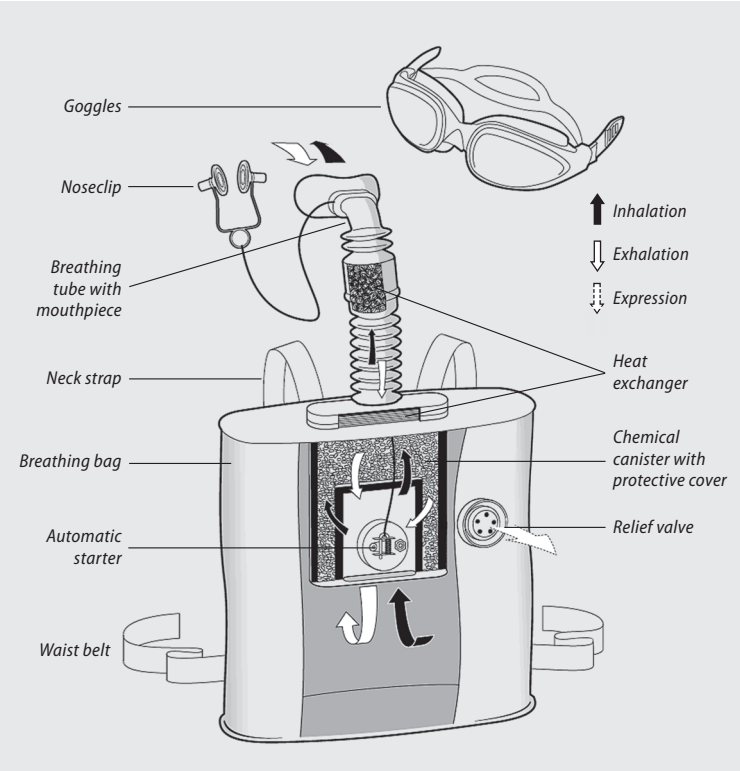
A unique double heat-exchanger system reduces the inhalation air temperature to a comfortable level. The escape goggles, though small, provide excellent fit and good vision. The SavOx has an anti-static breathing bag. The SavOx is almost maintenance-free and the life expectancy is up to max. 10 years. The achievable service life depends on the type and kind of treatment to which the apparatus were subject.

Features and Benefits

- Indicator
- Automatic starter
- Small dimensions
- Low weight
- Sturdy construction
- Stainless steel container
- Long storage life
- Quick readiness
- Oxygen supply
- Controlled by breathing
- Excellent performance
- Training unit for multiple use



Technical Data

Apparatus in Carrying Container	
Weight	approx. 2.5 kg
Dimensions	approx. 220 mm (H) x 160 mm (W) x 110 mm (D)
Carrying mode	on belt or with carrying strap over shoulder
Life expectancy	up to max. 10 years
Apparatus in Use (without Carrying Container)	
Weight	approx. 1.5 kg
Carrying mode	chest worn
Service time	depends on the wearer and workload. At a breathing minute volume of approx. 10 l/min approx. 3 h 50 l/min approx. 25 min
Rated Duration (according to EN 13794)	30 minutes
Temperature classification	T4

Ordering Information

10023263	Oxygen Self-Rescuer SavOx
10024538	Training unit SavOx-TR
D1130823	TR Breathing Tube Exchange Kit
10029099	Shoulder Belt
D1123958	Carrying Belt

Approval

According to EN 13794, class K 30 S

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