



## AUER/MSA Oxygen Self Rescuer

[Safe Oxygen Supply]

SSR 30/100 and SSR 30/100 B



## Application

The oxygen self-rescuers AUER SSR 30/100 and SSR 30/100 B are small, robust respiratory protective devices for self-rescue, which can be used at every place where the ambient atmosphere may be oxygen deficient or contain toxic contaminants. These devices employ the well-known and world-wide proven principle of generating oxygen chemically.

Due to its compact design and low weight, the oxygen self-rescuer can be worn continuously on the belt (SSR 30/100) or on the chest (SSR 30/100 B), so that it is available immediately in an emergency situation.

It is donned in seconds and supplies oxygen to the wearer on his escape or while waiting for rescue.



## Design and Functioning

The AUER SSR 30/100 is housed in a stainless steel case which protects the self-rescuer very well under the rough conditions which such devices usually undergo that are carried along continuously.

The case is air tight and lead sealed. In case of an emergency it can be opened simply and quickly.

The schematic on the next page shows the design and the air flow. The canister contains the chemical  $KO_2$  which reacts with the exhalation air.

The humidity and carbon dioxide of the exhalation air cause a chemical reaction of the  $KO_2$ , whereby carbon dioxide is retained and oxygen is released into the breathing bag.

The service time of the apparatus depends on the user's work rate, respectively, breathing rate. Under heavy load and resultant high breathing rate more oxygen is generated than under slow and shallow breathing as, for instance, while waiting for rescue.



## Features and Benefits

- Small, light but robust device
- Stainless steel container
- Carried on belt or on chest
- Long service time
- Oxygen supply according to demand
- Simple handling
- Largely maintenance free
- Long storage life
- Simple reconditioning



## Technical Data

### AUER SSR 30/100

Apparatus in case

Dimensions: Height 18 cm  
Width 18 cm  
Depth 10 cm

Weight: 2 kg (2.1 kg SSR 30/100 B)

Carrying mode:  
on belt, on chest with harness

Storage life: depending on storage conditions.  
Refer to instructions for use for details.

Weight (apparatus without case):  
1.3 kg (1.6 kg SSR 30/100 B)

Carrying mode:  
in front of chest with neckstrap and waist belt, in front of chest in lower part of container

Principle of operation:  
regeneration of breathable air through  $KO_2$

Flow principle:  
pendulum breathing  
(see schematic)

Duration: 30 min at 30 l/min (escape)  
100 min at 10 l/min (at rest)

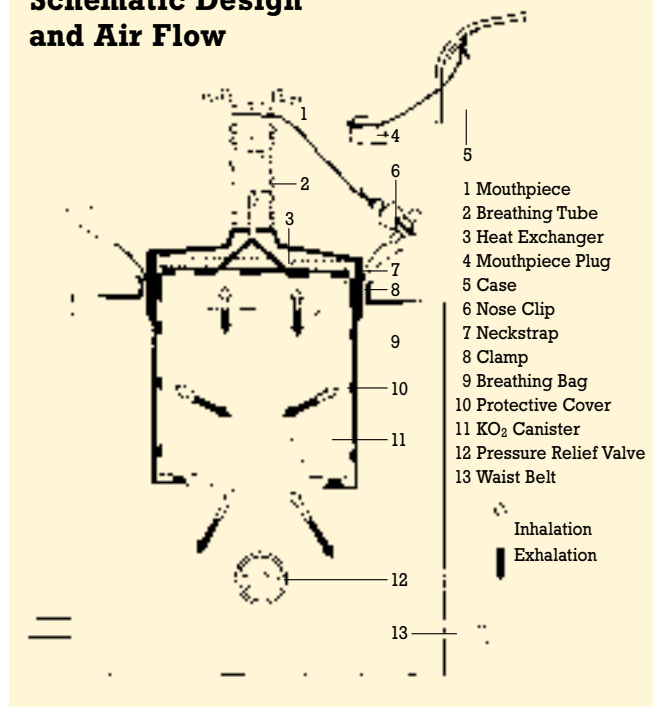
Temperature class:  
T3

The AUER SSR 30/100 has no parts that are under pressure and is nearly maintenance free. For apparatus that are carried along continuously, the expected storage life is 3 years, for apparatus kept in storage, 5 years. An extension of the storage life is possible.

After the apparatus has been used it can be reconditioned with simple means. During reconditioning the chemical canister, among other parts, is replaced.

Donning and breathing the apparatus can be practiced with the AUER SSR 30/100 TR training device.

## Schematic Design and Air Flow



## Ordering Information

- 1123-701 Oxygen Self-Rescuer  
AUER SSR 30/100
- 1123-958 Belt
- 1123-711 Training Apparatus  
AUER SSR 30/100 TR
- 1123-705 Oxygen Self-Rescuer  
AUER SSR 30/100 B  
(less carrying harness)
- 1123-940 Carrying Harness for  
AUER SSR 30/100 B
- 1123-712 Training Apparatus  
AUER SSR 30/100 B TR
- 1118-845 Tightness Tester for Apparatus  
in Case
- 1118-322 Module SSR 30/100 and SSR  
30/100 B for Tightness Tester

## Approval and Certification

Certificate No. 582 A/95/33 PSA (SSR 30/100) and No. 584 A/95/115 PSA (SSR 30/100 B) from DMT-Gesellschaft für Forschung und Prüfung mbH, in accordance to EN 401

Respiratory protection from  
AuerGesellschaft:  
compressed air breathing  
apparatus, compressed air  
line equipment, chemical  
oxygen equipment, full face  
masks, half masks, filter cart-  
ridges, escape respirators,  
filter self-rescuers, high  
pressure compressors for  
breathable air, maintenance  
shops for respiratory  
protective equipment,  
training galleries

Subject to change without notice

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