



Oxygen Self Rescuer - SSR 30/100 and SSR 30/100 B

Safe Oxygen Supply for Various Applications

This small, robust K02 respiratory device delivers safe and immediate oxygen on demand for escape or rescue. Packed airtight in a stainless steel container, this lightweight device is designed to be worn on a belt for easy opening and use. Dons in seconds. The TR device allows quick and economic training of donning and use by simulating the weight and properties of real units. **PART NO. 1123701R**

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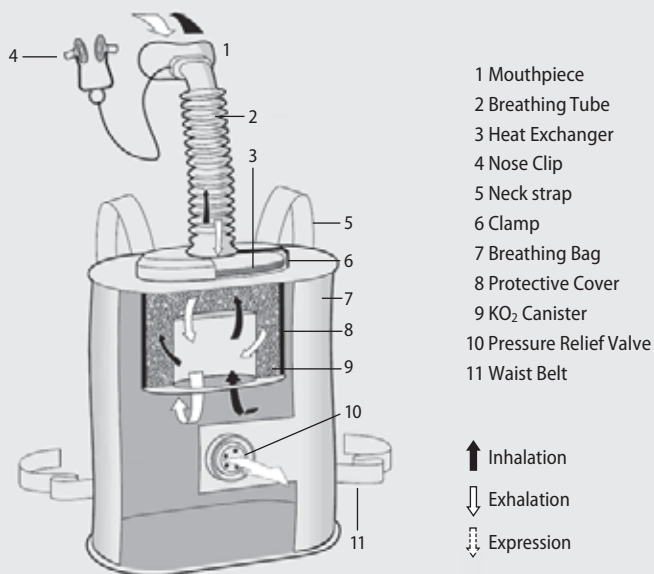
Design and Functioning

Both SSR 30/100 versions are 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 under seal. In case of an emergency it can be opened simply and quickly.

The schematic 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.

Both SSR 30/100 versions have no pressurised components and are almost maintenance free. For used but complete and undamaged apparatus MSA offers economic reconditioning. Donning the apparatus and breathing can be practised with the SSR 30/100 TR training device.

Schematic Design and Air Flow



Ordering Information

D1123701	Oxygen Self-Rescuer SSR 30/100
D1123958	Belt for SSR 30/100
D1123711	Training Apparatus SSR 30/100 TR
D1123705	Oxygen Self-Rescuer SSR 30/100 B (less carrying harness)
D1123940	Carrying Harness for SSR 30/100 B
D1123712	Training Apparatus SSR 30/100 B TR
D1118845	Tightness Tester for Apparatus in Case
D1118322	Module SSR 30/100 and SSR 30/100 B for Tightness Tester



SSR 30/100

Features and Benefits

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



SSR 30/100 B

Technical Data

Apparatus in case	
Dimensions	height 18 cm / width 18 cm / depth 10 cm
Weight	2 kg (2.1 kg SSR 30/100B)
Carrying mode	on belt (SSR 30/100) or on chest with harness (SSR 30/100 B)
Storage life	depending on storage conditions, refer to instructions for use for details
Apparatus without case	
Weight	1.3 kg (1.6 kg SSR 30/100B)
Carrying mode	in front of chest with neckstrap and waist belt (SSR 30/100) or in front of chest in lower part of container (SSR 30/100 B)
Principle of operation	regeneration of breathable air through KO_2
Flow principle	pendulum breathing (see schematic)
Duration	20 min at 35 l/min (Class K20S according EN 13794) 30 min at 30 l/min (escape) 100 min at 10 l/min (at rest)
Temperature class	T3

Approval and Certification

From DMT-Gesellschaft für Forschung und Prüfung mbH, in accordance to EN 13794
SSR 30/100: 582 A/95/33 PSA · SSR 30/100 B: 584 A/95/115 PSA

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