



# Oxygen Self-Rescuer SSR 90 (Class K60)

## *Oxygen Supply on Demand*

### **Application**

The oxygen self-rescuer SSR 90 is a respiratory protective device for self-rescue which functions independently of the ambient atmosphere. It protects the wearer during gas outbursts, fires and after explosions against toxic gases and oxygen deficiency while escaping or waiting for rescue.

The known and worldwide proven principle of generating oxygen from a chemical assures that in an emergency there is immediately enough oxygen available for self-rescue.

The SSR 90 is housed in a stainless steel case and can be carried along or kept at the work site. Rescue teams can carry additional apparatus in order to quickly provide breathable air to the persons being rescued. According to EN 13794 and German Mining Approval the service time at 35 l/min is 60 minutes (class K 60). The service time at medium work load (e.g. escape) is approx. 90 minutes and at low ventilation rates (e.g. waiting for rescue) approx. 5 hours.

### **Features and Benefits**

- Robust stainless steel case
- Oxygen supply according to demand
- Low maintenance
- Simple handling
- Training apparatus available

### **Description**

The SSR 90 is a chemical oxygen apparatus. It supplies the wearer with oxygen which is generated from a chemical ( $\text{KO}_2$ ).

In a closed circuit the exhalation air of the user is regenerated and enriched with oxygen. The carbon dioxide and humidity of the exhalation air react with the chemical, whereby carbon dioxide is removed and oxygen is generated. The oxygen is always generated according to the demand of the wearer. For instance, at heavy work loads and intensive breathing more oxygen is generated than at low ventilation rates as for example when waiting for rescue.

The SSR 90 is packed air-tight in a solid stainless steel container and sealed by the factory. In an emergency it can be donned and put into operation very quickly. The design and air flow is illustrated schematically on beside placed drawing.

The SSR 90 requires low maintenance and after use it can be reconditioned. Donning and breathing can be practiced with the training apparatus SSR 90 TR.

## Technical Data

### Dimensions (apparatus with container):

Height	310 mm
Width	220 mm
Depth	120 mm

### Weight:

Apparatus with container	4.9 kg
Apparatus in use	3.4 kg

### Service time: At a minute volume of

35 l/min:	at least	60 min
30 l/min:	approx.	90 min
10 l/min:	approx.	300 min

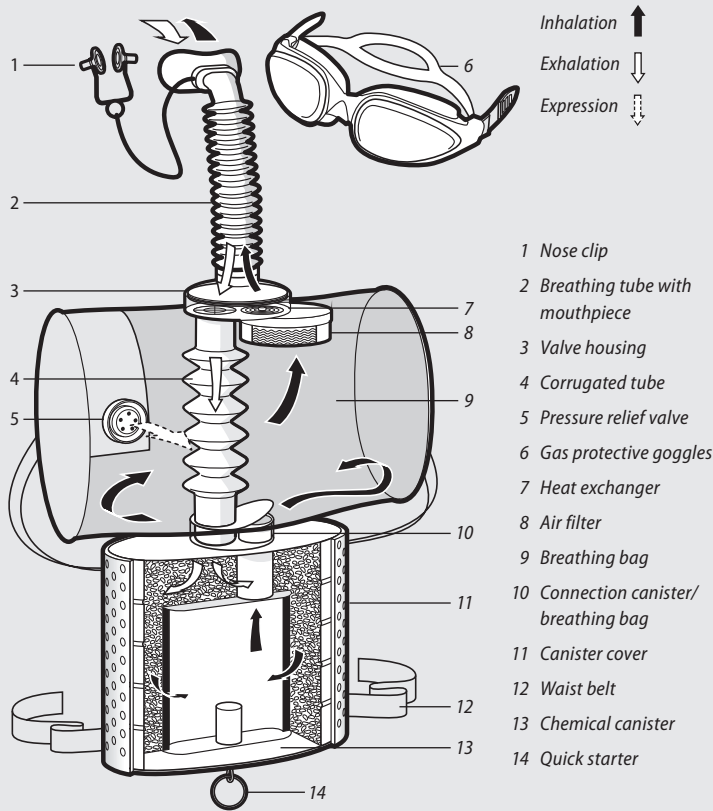
### Storage life:

According to storage conditions, see Instructions for Use

### Approval:

According to EN 13794 class K60, PPE Directive 89/686/EEC, CE mark and mining approval

## Schematic Design and Air Flow



## Ordering Information

D1118701	Oxygen Self-Rescuer SSR 90 (K60)
D1118709	Training Apparatus SSR 90 TR-2

## Accessories

D1118845	Tightness tester for apparatus with container
D1118317	Insert for tightness test

## Your direct contact

<p>MSA (Britain) Limited Lochard House Linnet Way Strathclyde Business Park BELLSHILL ML4 3RA Phone +44 (0)16 98 5733 57 Fax +44 (0)16 98 74 01 41 E-mail info@msabritain.co.uk www.msabritain.co.uk</p>	<p>MSA Europe Thiemannstrasse 1 12059 Berlin Germany Phone +49 (0)30 68 86-0 Fax +49 (0)30 68 86-15 17 E-mail contact@msa-europe.com www.msa-europe.com</p>
--	---

<p>MSA International 1000 Cranberry Woods Drive Cranberry Township, PA 16066 Phone +1 412 967 33 54 Fax +1 412 967 34 51 E-mail msa.international@msanet.com www.MSAnet.com</p>	<p>Subject to change without notice ID 27-412.2 UK/06/01.12</p>
---	---