



## For your safety


- Strictly follow this Instruction for Use and the instructions supplied with the associated breathing accessories.
- Use of this equipment requires wearer training, knowledge, observance of this Instruction for Use, and compliance with national regulations, laws and standards governing the use of respiratory apparatus in the country of use.
- Use the equipment only for the purpose specified in this Instruction for Use.
- Only trained and competent personnel should carry out and record inspections and servicing in line with national regulations. It is recommended that a service contract be obtained from your Dräger branch or agent.
- Contact Dräger for details of training courses and service contracts.
- Use only original Dräger spare parts for servicing and maintenance.
- Notify Dräger in the event of any component fault or failure.

## Definitions of alert icons

The following alert icons are used in this document to provide and highlight areas of the associated text that require a greater awareness by the user. A definition of the meaning of each icon is as follows:

 **WARNING**  
This icon indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the user.

 **CAUTION**  
This icon indicates a potentially hazardous situation which, if not avoided, could result in physical injury to the user, or damage to the product. It may also highlight an alert against unsafe practices.

 **NOTICE**  
This icon indicates additional information on how to avoid inconveniences when carrying out the instructions described.

## Liability statement

Responsibility for reliable function of the equipment transfers to the owner or operator when it is assembled, serviced or repaired by untrained personnel or when used in a manner not conforming to its intended use.

## Description and intended use

The RPS 3500 rescue pack system is used with approved breathing equipment to supply breathing air for the rescue of a firefighter or member of the public in a hazardous atmosphere. The system comprises a pneumatic assembly, a medium-pressure hose, a Y-piece and a holdall (Fig A).

The pneumatic assembly uses a Dräger Plus/PSS® Series pressure reducer (3), fitted with a whistle (2), a contents gauge (1) and a pressure relief valve (4). The whistle sounds to warn the user of low air pressure. The medium-pressure hose has a karabiner (5) that attaches to the wearer to prevent inadvertent disconnection of the breathing equipment during a rescue. The Y-piece allows connection of a second breathing arrangement when required.

The RPS 3500 can be used as a rescue breathing device or as a rescue air supply to a breathing apparatus. In both configurations, the system uses a carbon composite cylinder (6.8 litre/300 bar or 9.0 litre/300 bar) stored inside the holdall to supply air.

## Rescue breathing device

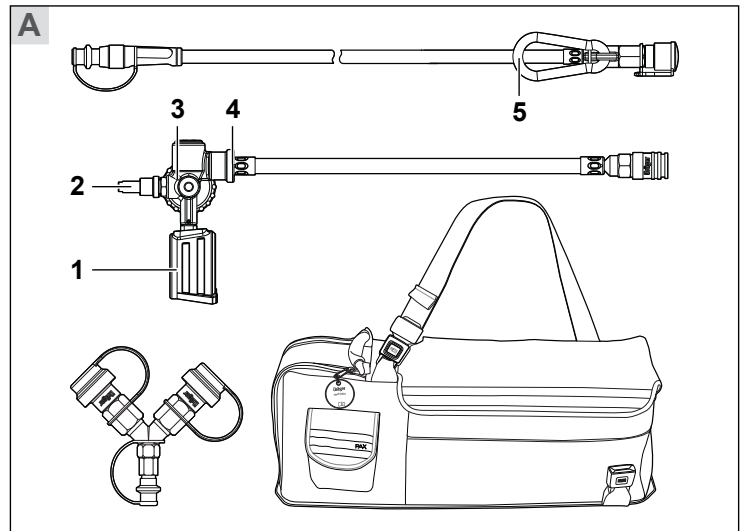
Used as a rescue breathing device, the system would be fitted with a lung demand valve and face mask combination, or a rescue hood. The recommended compatible equipment is:

- PSS® Rescue Hood.
- Plus/PSS® Series lung demand valve (A, AE, N, ESA).
- Panorama Nova or FPS 7000 Series face mask (P, PE, RA, ESA).

## Rescue air supply

The RPS 3500 is not a mobile supply of compressed air for normal working use. Only use the RPS 3500 as an emergency air supply in a rescue situation.


Used as a rescue air supply, the system provides a secondary air supply to the following compatible breathing apparatus:




2788

- Approved Dräger breathing apparatus with appropriate airline male connection (PA91 Plus, PA94 Basic Plus, PSS® 90, PSS® 100, PSS® 7000, PSS® 5000, PSS® 4000, PSS® 3000 and PAS breathing apparatus).

## Operating instructions


 **NOTICE**  
Refer also to the user instructions supplied with the lung demand valve, face mask, rescue hood and air cylinder.

## Preparation for use

 **NOTICE**  
Refer also to maintenance requirements for the lung demand valve, face mask, rescue hood and air cylinder.


- Check that the equipment is clean and undamaged, paying particular attention to pneumatic components and their hoses and connectors.
- Connect the medium-pressure hose to the quick connect coupling of the pneumatic assembly.
- Connect the pressure reducer to the outlet of the cylinder valve.
- Slowly open the cylinder valve to pressurise the system fully.
- Confirm that the air pressure indicated on the contents gauge is sufficient for the intended operation.

## During use

 **WARNING**  
During connection, ensure that the medium-pressure hose is not kinked or knotted and will not block or restrict air flow. Ensure that the hose is not routed around the neck of the rescued person.

The holdall is not tested or certified for flame engulfment.

The duration of the air supply is dependant on the cylinder volume, the number of users connected and the breathing rate of the users. Observe the contents gauge regularly during the rescue operation.

 **CAUTION**  
Handle the holdall with care when the cylinder or other equipment is inside. Do not expose the holdall or equipment to crushing or impact damage and do not throw the holdall.

- Connect the Y-piece to the medium-pressure hose if required.
- Connect a lung demand valve and face mask combination, a rescue hood, or a combination of both as required. Refer to the lung demand valve, face mask or rescue hood instructions for correct connection and use.
- Connect the karabiner to a secure point on the clothing or equipment of the rescued person.
- When the RPS 3500 is used as a rescue air supply (to a self-contained breathing apparatus), the cylinder valve of the self-contained breathing apparatus must be closed. The rescuer or wearer shall close the cylinder

valve of the self-contained breathing apparatus immediately after connecting the RPS 3500.

- Evacuate personnel to a safe area as soon as possible once they are breathing from the RPS 3500 system.

## After use



### NOTICE

Refer also to maintenance requirements for the lung demand valve, face mask, rescue hood and air cylinder.

- Close the cylinder valve and vent the pressure from the system.
- Disassemble the breathing equipment and rescue pack.
- Clean the rescue pack as detailed below and clean other breathing equipment as detailed in the relevant user instructions.
- Recharge or replace the cylinder if required (refer to the cylinder instruction for use for inspection and charging procedure).
- Refit the cylinder into the holdall ensuring that it is securely held by the retaining strap.

## Cleaning



### CAUTION

Do not immerse the pressure reducer or other pneumatic systems in water or cleaning solutions.

Do not use organic solvents, such as acetone, alcohol, white spirit, trichloroethylene or similar.

Do not exceed 60 °C for drying. Never exceed 30 minutes in the drying facility and remove components immediately when dry.



For information about suitable cleaning and disinfecting agents and their specifications refer to document 9100081 on [www.draeger.com/IFU](http://www.draeger.com/IFU).

Refer also to maintenance requirements for the lung demand valve, face mask, rescue hood and air cylinder.

- Clean the components of the rescue pack using a clean lint-free cloth moistened with a cleaning solution.
- Remove the cleaning solution using clean water.
- Remove excess water using a clean dry cloth.
- Dry the components fully in a drying cabinet or drying room if possible.

## Storage

Storage details below included for consideration.

- Install all protective covers and stow the rescue pack components and breathing equipment inside the holdall.
- Store the apparatus in a cool dry environment, free from dust and dirt. Do not expose to direct sunlight.
- If the rescue pack is stored with the air cylinder in the holdall, do not support the holdall by the strap.

## Maintenance and test intervals (trained maintenance personnel tasks)



### NOTICE

Refer also to maintenance requirements for the lung demand valve, face mask, rescue hood and air cylinder.

Refer also to vfdb-guideline 0804 for maintenance requirements.

The maintenance and test intervals are included for user information. Only personnel trained in the maintenance of the RPS 3500 by Dräger are to perform the maintenance tasks. The rescue pack, including out of use equipment, shall be serviced in accordance with this table, and all servicing

and testing details recorded in the equipment log book. Contact Dräger or trained maintenance personnel when servicing is due.

Component/System	Task	Every year	Every six years
Pressure reducer	Medium pressure check	○	
	Inspect the sintered filter (see Note 1)	○	
	Inspect the high-pressure connector O-ring (see Note 2)	○	
	Whistle activation pressure test	○	
	Basic overhaul (Repair Exchange Scheme)		○

### Notes

○ Dräger recommendations

- 1 Replace the sintered filter if a drop in reducer performance is observed during a flow check or if it is visibly damaged.
- 2 Replace the high-pressure connector O-ring if it is found to leak during functional testing or if the O-ring is visibly damaged.

## Troubleshooting

Symptom	Fault	Remedy
High-pressure air leak	Loose/damaged connector or faulty seal	Reconnect or tighten connectors and retest – if fault remains, contact Dräger Service
Leak from the pressure relief valve (4, Fig A)	Pressure reducer fault	Contact Dräger Service
High or low medium pressure	Reducer out of specification	Contact Dräger Service
Poor sounding whistle (if fitted)	Dirt	Clean and retest
Whistle not functioning correctly	Defective activation mechanism	Contact Dräger Service

## Approvals

The European standards, guidelines, and directives according to which this product is approved are specified in the declaration of conformity (see declaration of conformity or [www.draeger.com/product-certificates](http://www.draeger.com/product-certificates)).