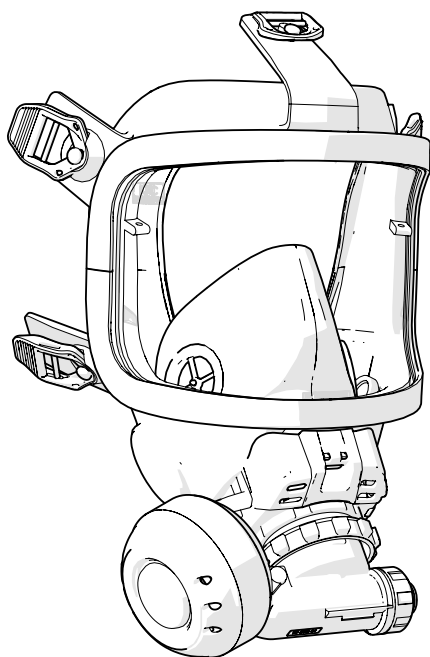




Keeps You Breathing



---

# Respire N

## User Manual

34832A01

## Copyright © 2018 Interspiro

This publication contains or refers to proprietary information which is protected by copyright. All rights are reserved. Interspiro® and Divator® are registered trademarks belonging to Interspiro. This publication may not be copied, photocopied, reproduced, translated, or converted to any electronic or machinereadable form in whole or in part, without prior written approval from Interspiro.

Interspiro AB, Box 2853, 18728 Täby, SWEDEN

Find the declaration of conformity at:

- English: <http://interspiro.com/en-gb/service-support/downloads/certificates-approvals>
- Deutsch: <http://interspiro.de/de-de/service-support/downloads/zertifikate-zulassungen>
- Svenska: <http://interspiro.se/sv-se/service-support/downloads/certifikat-godkannanden>

# Table of Contents

- Introduction and safety ..... 5
  - Safety notice ..... 5
  - Safety terminology and symbols ..... 6
- Product description ..... 7
  - Markings ..... 7
- Before use ..... 8
- Operation ..... 11
  - Purge button function ..... 11
- After use ..... 12
  - Doffing the face mask ..... 12
  - Disconnect the breathing valve ..... 12
- Maintenance ..... 13
  - Cleaning and disinfecting ..... 13
  - Service and testing schedule ..... 18
- Storage ..... 19



# Introduction and safety

## Safety notice

The Interspiro Respire face mask has been tested in accordance with EN 136 class 3. EU type examination (Regulation EU 2016/425) by DEKRA EXAM GmbH, Dinnendahlstr. 9, 44809 Bochum, Germany.

The product must only be used with an approved Interspiro breathing apparatus: Incurve/Incurve-E, SpiroGuide/SpiroGuide II, QS/QS II or 90U system.

Only use breathing air according to EN 12021.

If the face mask and/or the self contained breathing apparatus is to be used in conjunction with other personal protective equipment it is important to ensure that the additional personal protective equipment is compatible with the face mask and does not impair the full protection of the respiratory protective device.

Examples of dangers which may require the use of additional personal protective equipment:

- Liquids, steam or gases which can damage the skin
- Pollutants absorptive by skin
- Thermal radiation
- Mechanical effects
- Explosive environments
- Oxygen-enriched breathing air

The product must only be used by personnel in good health and trained in the use of respiratory protective equipment. Individuals with beards or large sideburns may not obtain an adequate seal. The face mask must be maintained, serviced and tested as described in this user manual, Interspiro service manuals and Interspiro test instructions.



## **INTERSPIRO IS NOT RESPONSIBLE FOR:**

combinations of products, unless put to market by Interspiro  
changes or adaptations made to the product by a third party

Changes to this document – necessitated by typographical errors, inaccuracies of current information or improvements and changes of equipment – may be made at any time without prior notice. Always refer to [www.interspiro.com](http://www.interspiro.com) for product updates, document updates and service bulletins. The guarantees and warranties specified in the conditions of sale are not extended by this Safety notice.

## **Safety terminology and symbols**

In this document, the terms DANGER, WARNING and NOTICE are used to indicate potential hazards. Read the accompanying information carefully and follow the safety instructions.



### **WARNING**

The WARNING type of hazard statement signifies that there is a risk of serious injury or death.

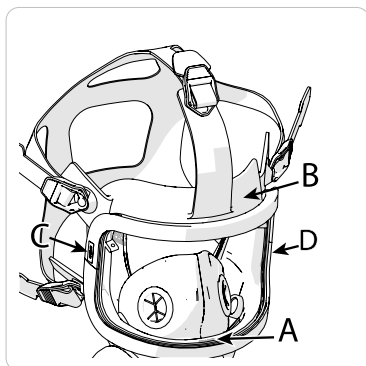


### **NOTICE**

The NOTICE type of hazard statement signifies that there may be a risk of damage to equipment or property.

# Product description

## Markings



1. A = Type identifying marking
2. B = Size marking (small size: "S"; standard size: "M/L" or no marking; extra large size: "XL")
3. C = Part number marking
4. D = Serial number

## Before use



### WARNING

If the face mask or breathing valve fails this test it must not be used.

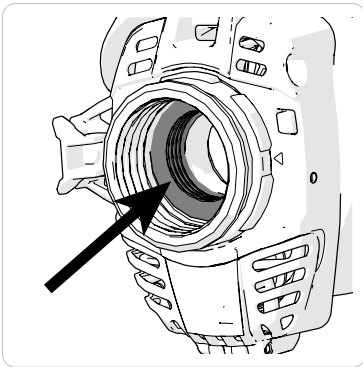
1. Make sure that the breathing hose is securely connected to the breathing valve and to the quick coupling on the supply hose (if fitted).
2. Open the cylinder valve.



### WARNING

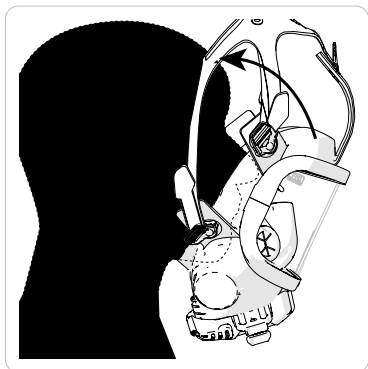
Make sure to open the cylinder valve fully to eliminate the risk for disruption of the air supply when the cylinder pressure drops.

3. Make sure that the cylinder has sufficient pressure.
4. Make sure that the sealing gasket is correctly installed in the adapter.

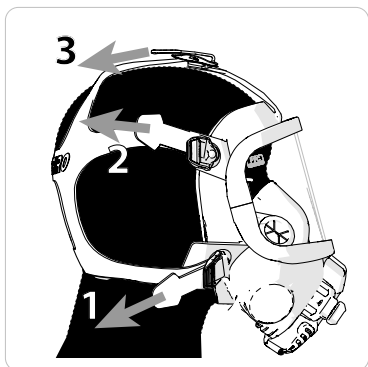




5. Fit the face mask onto the head by first inserting the chin and then pulling the head harness over the head.

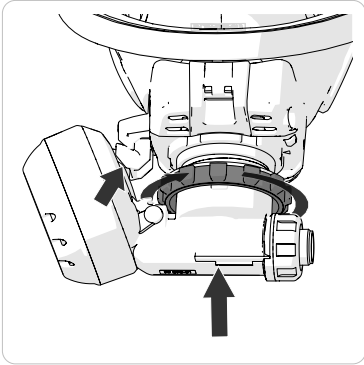


6. Tighten the straps on the head harness, starting with the two at the bottom. Do not overtighten the head harness.



7. Hold the breathing valve so that the guiding bracket on the breathing valve goes into the support on the face mask (pointed out by an arrow in the image).

Turn the locking ring clockwise until the breathing valve is locked in place.



8. Hold your breath and listen for leakage. Adjust the face mask if necessary.



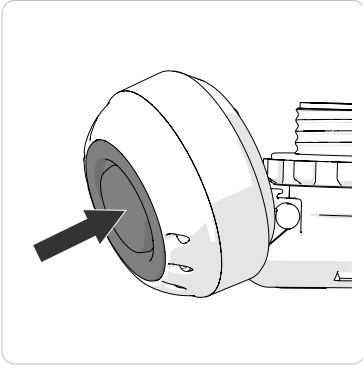
## **NOTICE**

Local regulations may require additional tests to be performed before use of the face mask.

# Operation

## Purge button function

Press the button on the diaphragm cover if you want to increase the air flow.



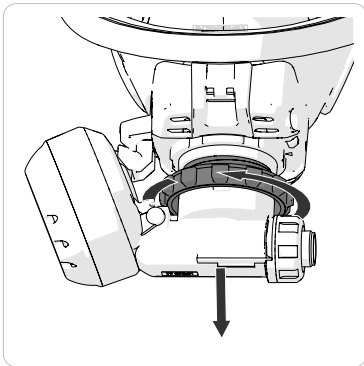
## After use

### Doffing the face mask

1. Open the buckles to release the head harness and loosen the straps.
2. Remove the face mask.
3. Close the cylinder valve.
4. Depressurize the apparatus.

### Disconnect the breathing valve

- Remove the breathing valve by turning the locking ring counterclockwise.



# Maintenance

## Cleaning and disinfecting

All parts of the equipment should be cleaned after use.

Recommended cleaning products:

- Curacid PSA Rinse – For manual cleaning
- Curacid PSA Ultra – For disinfection
- Curacid PSA TC – For cleaning and disinfection in machine

Follow the instructions supplied with the cleaning products.

Maximum washing temperatur is 55°C.

Maximum drying temperature is 60°C, do not exceed 2 hours drying time.

Local requirements might stipulate extended cleaning and/or disinfection to be performed.

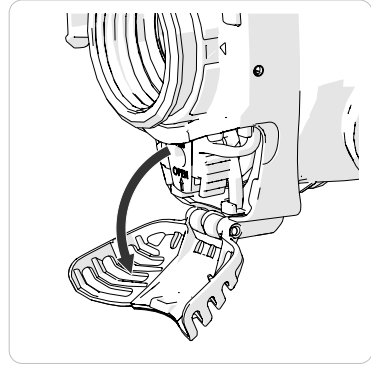
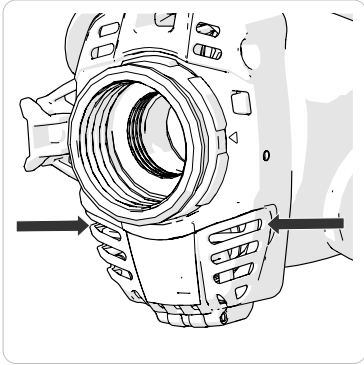
## Face mask

1. Remove the breathing valve from the mask.
2. Clean / disinfect the mask complete and rinse thoroughly in clean water to remove all detergent residues.
3. Shake out remaining water from the mask and dry the parts thoroughly.

## Face mask - extended cleaning and disinfection

1. Remove the breathing valve from the mask.

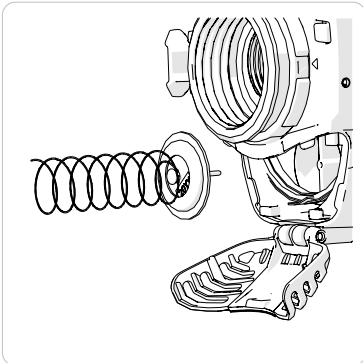
2. Open the exhalation valve cover by pressing it together on the sides and pulling it outwards.



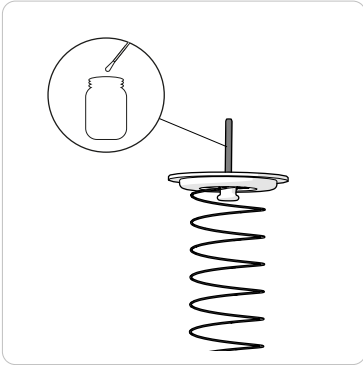
3. Remove the exhalation valve holder by pushing it upwards and then outwards.



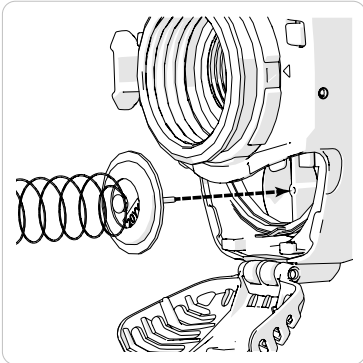
4. Remove the exhalation valve assembly.



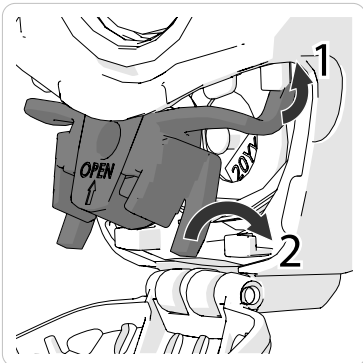
5. Wash / disinfect the parts manually and rinse thoroughly in clean water to remove all detergent residues.
6. Shake out remaining water from the mask and dry the parts thoroughly.
7. Lubricate the pin of the exhalation valve assembly with silicone lubricant.



8. Assemble the exhalation valve assembly. Make sure to assemble the pin in the hole.



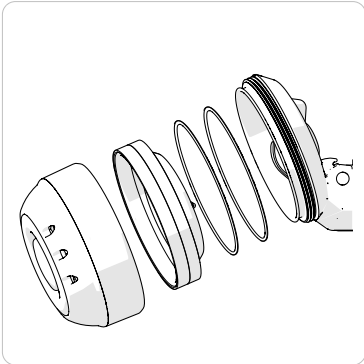
9. Assemble the exhalation valve holder.



10. Close the exhalation valve cover by pushing it inwards until it snaps in place.

## Breathing valve - extended cleaning and disinfection

1. Remove:
  - a. Cover
  - b. Diaphragm
  - c. O-rings



2. Make sure that the breathing hose is still attached on the breathing valve and pressurize the breathing valve.
3. Wash / disinfect the parts manually and rinse thoroughly in clean water to remove all detergent residues.
4. Shake out as much water as possible from the breathing valve.
5. Purge air through the breathing valve 3 times by pressing the lever gently to flush out water from the breathing valve.
6. Close the cylinder valve and activate the positive pressure to purge air from the system.
7. Dry the parts thoroughly.

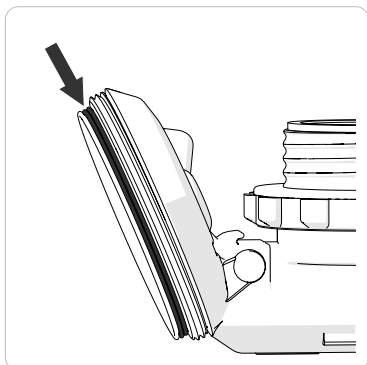


### WARNING

When cleaning the breathing valve it must be completely dry before it is assembled and put back into service. Remaining water can form ice on vital parts resulting in malfunction of the breathing valve.

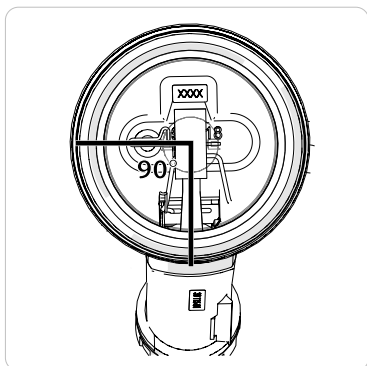


8. Lubricate the two O-rings with silicone lubricant and assemble them.

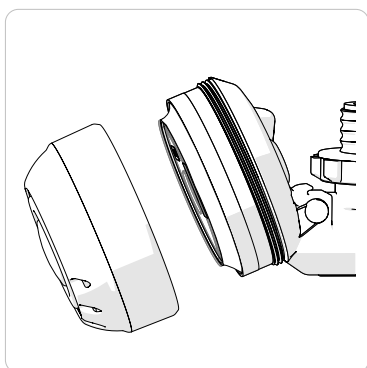


9. Assemble the new diaphragm with the lever between the roller and the diaphragm.

Make sure that the lever is at 90° to the roller on the diaphragm.



10. Reassemble the cover.



11. If exchanging parts between breathing valves, replacing parts or adjusting settings on the breathing valve during the cleaning, a performance test on a calibrated test equipment recommended by Interspiro must be done.

## **Service and testing schedule**

Service and testing shall be performed according to Service and testing schedule 97307. Visit [www.interspiro.com](http://www.interspiro.com) for latest revision.

# Storage

Store in a cool, dry and dust-free environment. Protect against direct sunlight, UV radiation and direct heat.



Keeps You Breathing