



Mask M98



Construction	2
Spare parts	3
Date of manufacture	3
Donning and Service	4
Symbols	7
Warranty	7

--	--

Instructions for Use

ENGLISH	8
----------------	----------

--	--

--	--

--	--

--	--

--	--

--	--

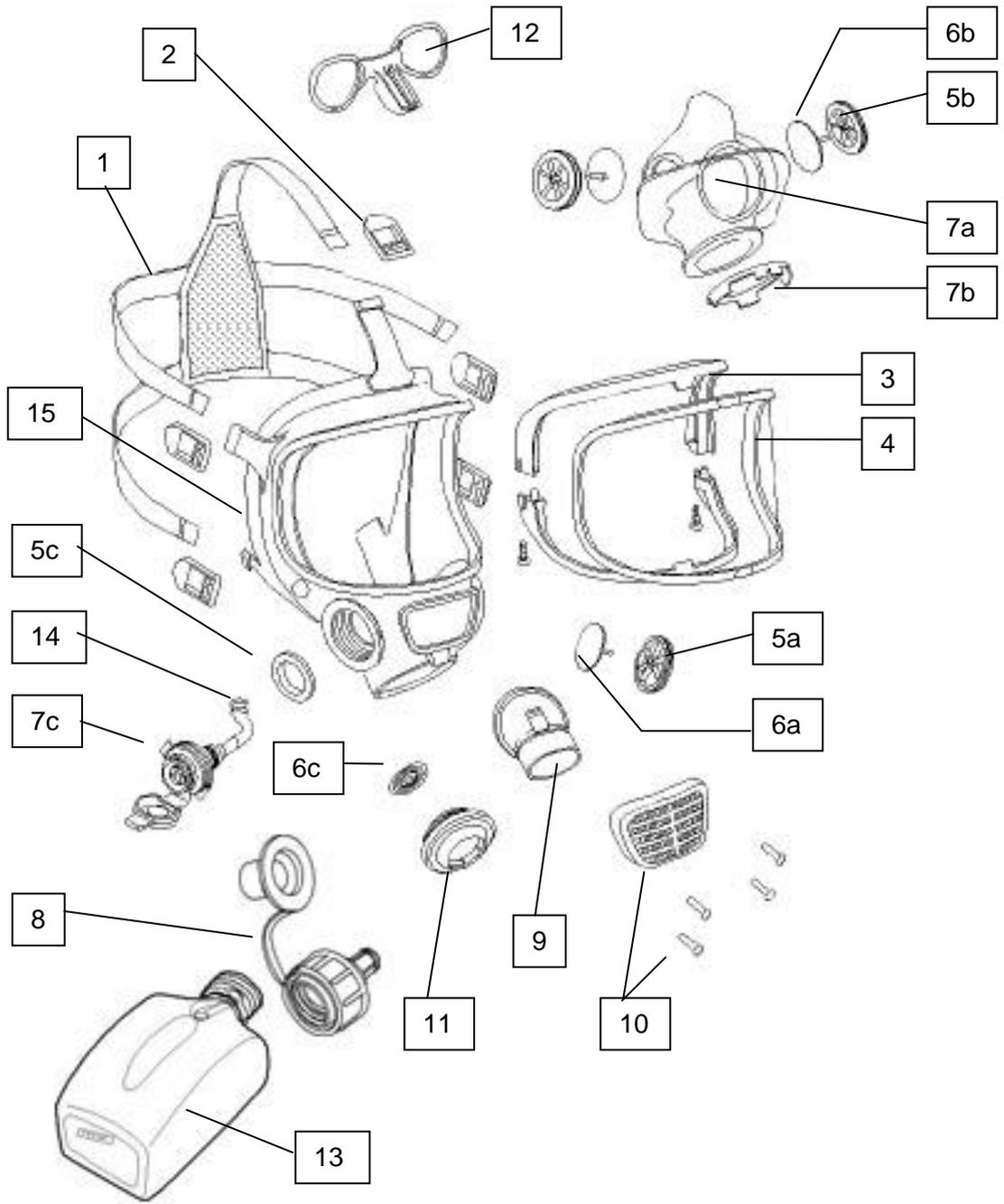


5009726-D 05/2010

CE 0121



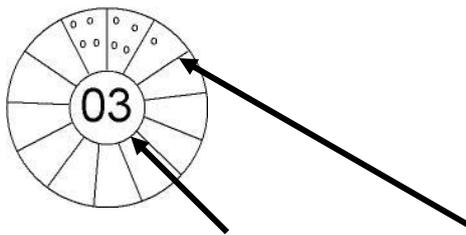
SAI Global
AS/NZS 1716
Lic. 0858



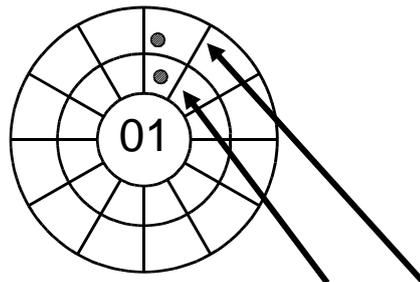
English – Spare parts		
1	012692	Head harness PM
2	012694	Buckle set for harness PM (5)
3	012693	Visor frame set PM
4	012695	Visor PM PC (polycarbonate)
	012795	Visor PM HC (hard coated)
	012874	Valve seat set 98, including
5a	(-)	- 1 x inhalation valve seat
5b	(-)	- 2 x inner mask valve seat
5c	(-)	- 1 x drinking device gasket
	012591	Valve disc set 95, including
6a	(-)	- 2 x inhalation valve disc
6b	(-)	- 2 x inner mask valve disc
6c	(-)	- 1 x exhalation valve disc
	012870	Hydration kit 98, including
7a	(-)	Inner mask
7b	(-)	Inner mask fastening ring
	(-)	Steering valves + discs
7c	(-)	Drinking device
5c	(-)	Drinking device gasket
8	(-)	Bottle cap
9	012687	Speech diaphragm PM
10	012794	Speech channel cover PM
11	012516	Exhalation valve cover 95
12	012790	Spectacle frame PM
13	012593	Bottle 95/98 with cap
14	013373	Mouth piece of drink device
15	(-)	Faceseal
	012698	Visor cover PM (10 pcs)
	012699	Screwdriver PM (for Torx20)
	141080	Leak-tightness test Pro-Tester
	010185	Carrying case of hard plastic
	012595	Carrying bag of textile

Date of manufacture

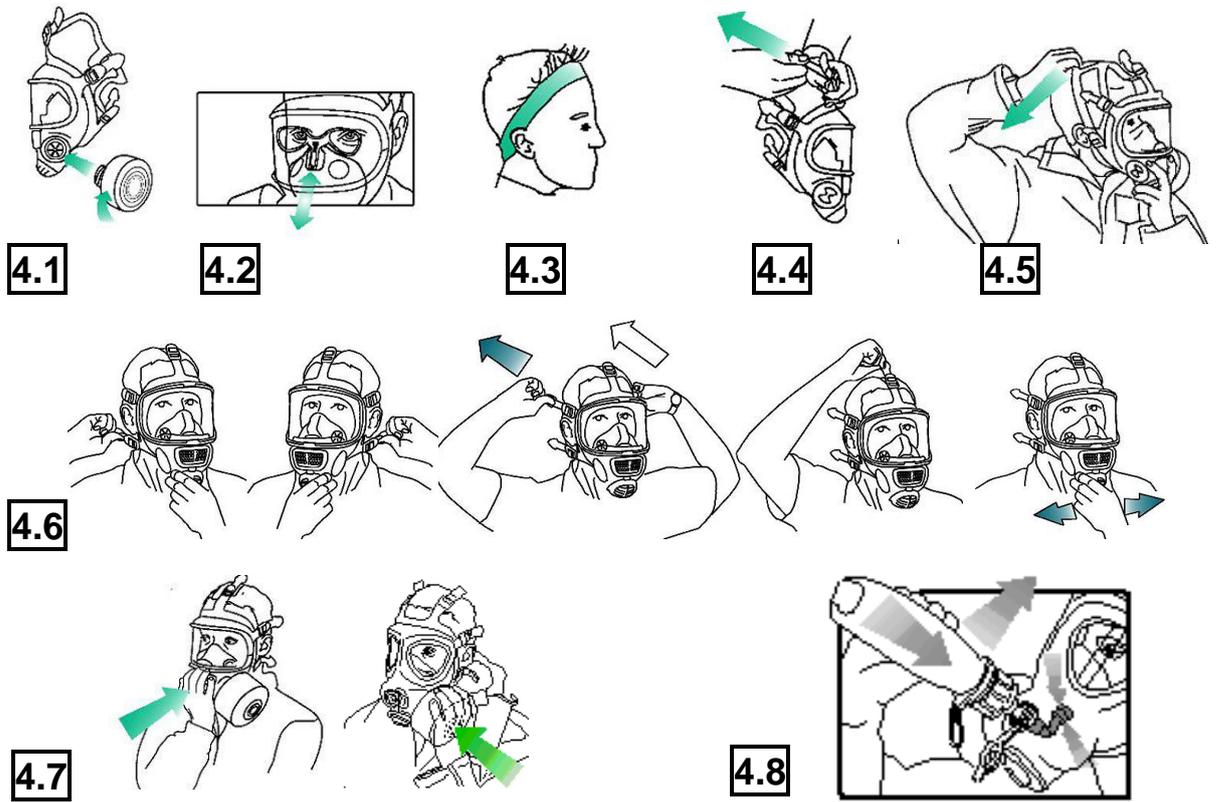
English Year of manufacture: in the facepiece (on the upper middle strap of the mask).



english year week 2003, week 9



English in the head harness year quarter-of-year 2001, January-March



5.2



Fig. A



Fig. B

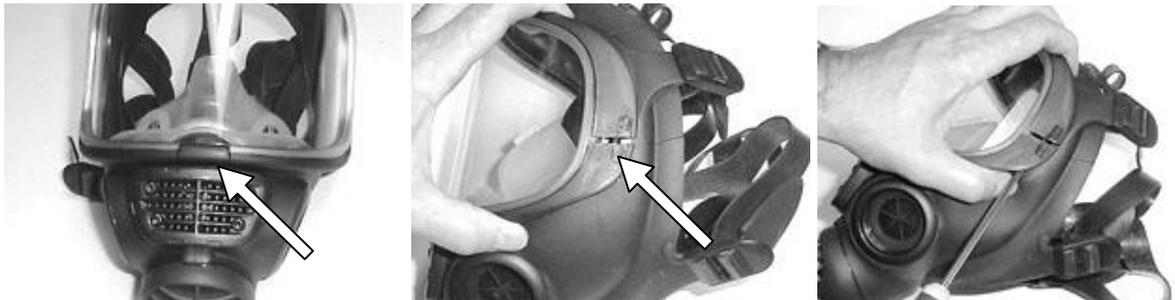


Fig. C

5.3



Fig. D



Fig. E1 + E2



Fig. F

5.4



Fig. G



Fig. H



Fig. J



Inner mask disc



Fig. K

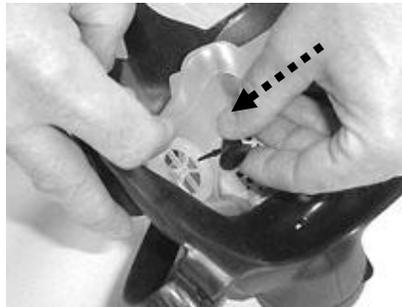


Fig. L

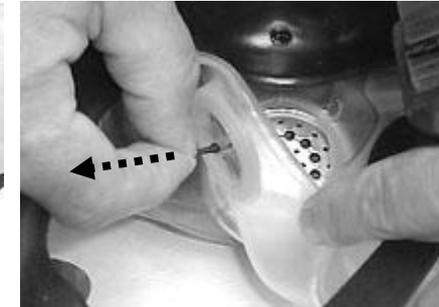


Fig. M

5.5



Fig. K



Fig. L

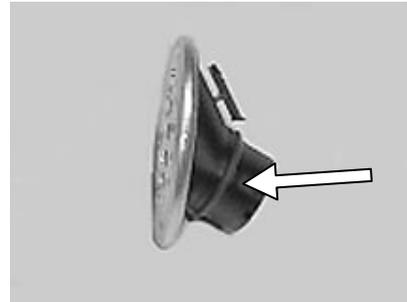


Fig. M

5.6



Fig. N

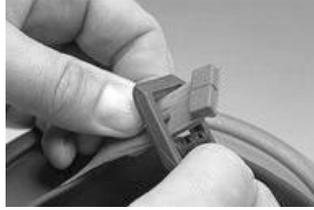


Fig. O



Fig. P



Fig. Q

5.7



Fig. R



Fig. S

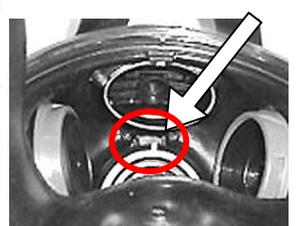


Fig. T

5.8

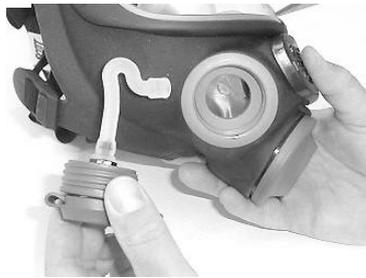


Fig. U

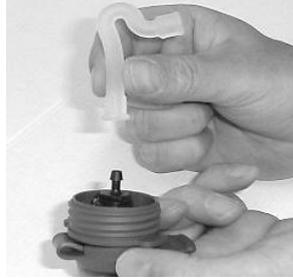


Fig. V

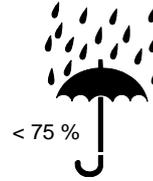
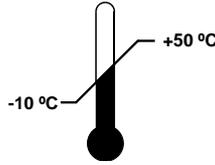
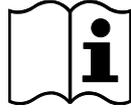


Fig. X

Speech channel cover



Symbols



| English

See Instructions for Use!

Recommended storage conditions (temperature and humidity). |

CE 0121

BGIA, DE-53754 Sankt Augustin, Germany



SAI Global
AS/NZS 1716
Lic. 0858

Australia

English - WARRANTY

The products manufactured at our factories in Skelmersdale and Vaasa carry a warranty of 12 months (unless stated otherwise) for parts, labour and return to site. The warranty period runs from the date of purchase by the end user.

These products are warranted to be free from defects in materials and workmanship at the time of delivery. Scott will be under no liability for any defect arising from wilful damage, negligence, abnormal working conditions, failure to follow the original manufacturers instructions, misuse or unauthorised alteration or repair.

Evidence of purchase date will need to be provided for any claims arising during the warranty period. All warranty claims must be directed through Scott Customer Services and in accordance with our sales return procedure.

Full face mask M98

ENGLISH

013010 M98**013011 M98 Small****013030 M98 textile****013031 M98 Small textile**

The mask M98 has been designed to conform with EN 136/12942 (Europe) and AS/NZS 1716:2003 (Australia/NZ). EC certified (013010 and 013011) by BGIA (Berufsgenossenschaftliches Institut für Arbeitssicherheit), DE-53754 Sankt Augustin, Germany, ID: 0121. Licence 0858 by SAI Global, Australia.

1. General

The mask M98 is designed to protect the respiratory system and face against hazardous gases and particles.

- Use as filter mask together with a Pro2000 filter (gas, particle or combined filters). The filters are thread filters conforming to the European standard EN 148-1.
- The filter is selected according to the type of hazard present.
- The M98 Small is designed for persons with a small face.

2. Limitations of use

- 2.1** The filtering device must not be used if the environment and contamination is unknown. In case of doubt, isolating respirators (air supply) which function independently of the atmosphere must be used.
- 2.2** The filtering device must not be used in confined spaces (e.g. cisterns, tanks) because of the risk of oxygen deficiency or presence of heavy oxygen-displacing gases (e.g. carbon dioxide).
- 2.3** The filtering device may be used only if the oxygen content of the air is 18–23 vol.%.
- 2.4** Gas filters do not protect against particles. Similarly, particle filters do not provide protection against gases or vapours. In case of doubt, use combined filters.
- 2.5** Normal filtering devices do not protect against certain gases such as CO (carbon monoxide), CO₂ (carbon dioxide) and N₂ (nitrogen).
- 2.6** Particle filters are only allowed for single use if they are applied against radioactive agents or micro-organisms (virus, bacteria, fungi and spores).
- 2.7** It is likely that adequate protection cannot be guaranteed if the user's beard, hair, spectacle frames or clothing intrude into the faceseal. With the M98 one can use special spectacles (see 012790 spectacle frame).
- 2.8** When a breathing protector is used in explosive atmospheres, please follow the instructions given for such areas.
- 2.9** Gas filters shall be replaced when the user begins to sense odour, taste or irritation. Filters used against detrimental gases that do not display any significant indications, require special regulations for the duration of use and correct usage. Particle filters must be replaced at the latest when breathing resistance becomes too high.
- 2.10** The weight of filter used with a full face mask shall not exceed 500 g. The M98 is used with one filter only (the other opening on the mask is blocked by the manufacturer).

3. Selection of breathing protector equipped with filter

Type of protective device	Multiples of threshold concentration **)		Remarks, limitations
	APF (Assigned protection factor)		
	BS 4275 (GB)	BGR 190-ZH1/701 (DE)	
Full face mask with particle filter P3	40	400	Particles
Full face mask with gas filter *)	20	400	Filter types A, B, E, K, AX, SX, Hg-P3 and NO-P3 have different applications. For more information, see Instructions for Use of Scott Health & Safety filters.
Device with combined filter	The specified multiples of threshold value for the gas or particle filters are given separately, but in all cases the lowest value applies		

*) Provided that the maximum permissible detrimental gas concentration for the gas filter is not exceeded. For non-powered filtering devices with gas filter, concentration must not exceed 0.1 vol.% in gas filter class 1 and 0.5 vol.% in gas filter class 2 and 1.0 vol.% in gas filter class 3.

**) If national guidelines exist: in all cases the lowest value applies.

Pro2000- and Protector branded filters with full face mask

Gas filter	Combined filter	Particle filter
GF 22 and GF 32	CF 22R, CFR 22R, CF 32R, CFR 32R and NBC 22R	PF 10PR
	RC220/N, RC224/N, RC233/N	RC251/N

4. Preparations for use, and Donning

Check before use

- intactness of facepiece, rubber parts and visor
- head harness condition and elasticity
- that speech diaphragm is in place
- that exhalation valve is in place and that its cover is properly fastened
- that inh. and exh. valves function properly
- that drinking device is properly fastened
- that the filter is correct for the intended use. Filter type and class are evident from the marking.
- that storage period of the filter has not been exceeded
- filter condition and intactness. Shake the filter to ensure that there are no loose components/contents. The filter shall be replaced if it has been exposed to strong pressure or impact. It may be damaged.

4.1 Fitting of the filter: Remove eventual safety plugs from the filter. Screw the filter tightly in the connector of the mask (=inh. valve body).

4.2 When needed, connect the spectacles to the inner mask and adjust their position.

4.3 A sweat band is recommended to control excessive hair.

4.4 Loosen the head harness straps.

4.5 Locate the chin pocket of the mask properly on the chin and pull the head harness over the head.

4.6 Check that the chin is in the chin pocket. Tighten the straps. Start with neck straps, pull backwards (not outwards). Then adjust the temple straps and finally the upper strap. The cradle/net lies centered on the back of the head.

Check that the face seal touches the skin all around, especially under the chin pocket. Try moving the mask sideways to verify that there is no slippage.

4.7 Check the tightness of the mask (two alternative methods):

- 1) Cover the exhalation opening of the mask with your hand. Exhale gently to create overpressure. There must be no leakage between the face and the faceseal.
- 2) Cover the filter opening with your hand. Inhale to make the mask press onto your face.
 - If you fail to get a tight fit (=potential leakage), adjust the head harness and filter, or use another size of the mask.

4.8 Using the drinking device

- Use water or clear liquids (=avoid non-soluble particles).
- Open the lids of the drink device and the bottle, insert the nozzle into the drinking device.
- Take the mouth piece in the mouth and press it with the teeth to make water pass through.
- The bottle cap can also be connected to a standard PET bottle (thread Ø 28 mm).

5. Maintenance and storage**5.1 Test for function and leak-tightness**

If components have been replaced (visor, valve discs or speech diaphragm), a test for function and leak-tightness must be carried out with an appropriate test device (e.g. Pro-Tester, code 141080). The test is also done in case of a mask stored unused for a longer period, and at least once a year.

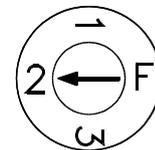
Check also that the faceblank has maintained its shape, the head harness is reasonably elastic, the visor and the faceseal are undamaged, and that the valve discs and the speech diaphragm's O-ring are good and well in position. Damage must be repaired.

5.2 Replacing the visor

The visor is available in polycarbonate or polycarbonate with a chemical-resistant and scratch-proof coating. The material code is found at the left edge of the visor. Replace visor if damaged, dirty or scratched.

Material code is shown by an arrow:

- 1 (not in use)
- 2 hard coated polycarbonate (HC)
- 3 (not in use)
- F polycarbonate (PC)



- Unscrew the screws (Torx 20), loosen the visor frames, and remove the visor (Fig. A)
- Place a new visor in the faceblank (with the marking "UP" on the visor showing upwards). Align the check marks of the visor and faceblank with each other (Fig. B).
- Position the visor frames and tighten both screws (Fig. C).
- Carry out the leak-tightness test (point 5.1).

5.3 Replacing the exhalation valve disc

- Pull out the valve cover (Fig. D).
- Separate the valve assembly from the valve cover and pinch on the edge of the disc (Fig. E).
- Replace the disc. Press lightly on the tip of the disc to secure a good fit (Fig. F).

5.4 Replacing the inhalation valve discs

- Remove the rubber valve seat (green) by pushing it with a finger from the inside of the mask (Fig. G).
- Replace the disc (pass the tail through the central hole to the inside of the mask) (Fig. H).
- Put the valve seat back to the bottom of the valve body (Fig. J). Do not press too tight (the disc comes immobilised) because the disc must be free to move.
- The valve discs (green) of the inner mask are replaced similarly. Make sure that the rubber edge of the inner mask comes in the valve seat groove.

5.5 Replacing the speech diaphragm

- Remove the inner mask from around the speech diaphragm (Fig. K).
- Press the clip to remove the speech diaphragm (Fig. L–M). To make assembly easier, moisten the O-ring with water. Press the speech diaphragm into place.
- Insert inner mask into place.

5.6 Replacing the harness buckle

- Press the buckle downwards (Fig. N).
- Hold the buckle and twist the rubber endpiece through the gap to the other end of the buckle (Fig. O–P) (the buckle rotates 180°).
- Remove the buckle (Fig. Q).
- Assemble in reverse order.

5.7 Replacing the inner mask

- Remove first the inhalation valve seat (green) by pushing it with a finger from the inside of the mask (Fig. G).
- If equipped with drinking device: remove the mouth piece.
- Gently pry open the hole on the fastening ring of the inner mask, using a screwdriver (via the inh. valve body opening) until the fastening ring comes off (Fig. R).
- Remove the inner mask (Fig. S).
- When assembling, insert the notch of the fastening ring into the tip of the exh. valve (Fig. T) and press the inner mask into place.

5.8 Cleaning

Mask

- **Remove** the filter, valves/discs, drinking device, spectacle frame, speech diaphragm and inner mask.
- **Clean** the facepiece and components with a damp cloth or sponge, using lukewarm water and mild detergent (neutral, pH 6-8) (e.g. washing-up liquid). A brush can be used for stubborn dirt (be careful not to scratch the visor).
- **Do not use** solvents (e.g. alcohol, acetone, turpentine), hot water or bleaching agents (perborate, percarbonate).

Drinking device (Fig. U, V, X)

- Remove the mouth piece and wash it separately.
- Put water in a bottle. Connect the bottle to the drinking device. Squeeze the bottle and let water pass through the drinking device.
- Replace the mouth piece when the mask is given to another user.

5.9 Disinfection

After cleaning, disinfect the inside/faceseal with a disinfection solution (e.g. Scott Trigene), rinse and allow to dry. Finally, reassemble the mask.

5.10 Storage

- Storage protected from direct sunlight, at -10...+50 °C and relative humidity (RH) under 75 % (sealed filters RH max. 95 %). A properly stored, unused mask stays in good condition for a long storage period.
- The components should not be more than 12 years old.
- Before use, the mask must undergo a function test, see Table.
- After use, an opened filter must be sealed tightly if it is to be reused, but it must be replaced within 6 months at the latest.

5.11 Disposal

- Masks (without filters) are coarse waste. A very contaminated mask and used filters are special refuse and shall be disposed of according to the filtered substances (gases or particles).

5.11 Australia and New Zealand

- For complete national requirements, please refer to the standard AS/NZS1715:2009, Use & Maintenance of Respiratory Products.

Component	Work to be done	Intervals			
		Before use	After use	Every year	Every 6 years
Mask, complete	Cleaning Disinfection Test for function and leak-tightness/Pro-Tester	■	■ ■ ■ *)	■ ■ ■	
	Pre-use check done by the user, according to point 4	■			
	Replace: visor, head harness, buckles, inner mask and other parts		■ *)		
Valve discs (6a, 6b, 6c)	Check Replace Check tightness of exh. valve disc/Pro-Tester		■ ■ *) ■	■ ■	■
Inhalation valve	Check valve seat (part 5a)		■	■	
Speech diaphragm (9)	Check Replace		■	■	■
Drinking device	Cleaning		■		

*) when needed



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.