

LIST OF ITEMS

Sr. No.	Item / Description	Quantity
01	➤ Combined Gas Filter Cartridge: ➤ Model: Combined Filter 93 ABEK2-Hg/St ➤ Make: MSA AUER or Equivalent ➤ Part No.: 10097232 ➤ Connector Type: Thread Connector EN 148-1 ➤ Must be Compatible with MSA 3S Full Face & 410 Half Face Masks.	300 Nos.
02	➤ Full Face Mask: ➤ Type: Full Face Mask 3S ➤ Make: MSA AUER or Equivalent ➤ Part No.: D2055000 ➤ Connector Type: Thread Connector EN 148-1	83 Nos.
03	➤ Particulate Filter Cartridge: ➤ Model: Particle Filter P3 PlexTec ➤ Make: MSA AUER or Equivalent ➤ Part No.: 10094376 ➤ Connector Type: Thread Connector EN 148-1 ➤ Must be Compatible with MSA 3S Full Face & 410 Half Face Mask.	700 Nos.
04	➤ Special Filter Cartridge: ➤ Model: Combined Filter 93 Reactor/St ➤ Make: MSA AUER or Equivalent ➤ Part No.: 10115317 ➤ Connector Type: Thread Connector EN 148-1 ➤ Must be Compatible with MSA 3S Full Face & 410 Half Face Masks.	250 Nos.
05	➤ Half Face Mask: ➤ Type: Half Face Mask 410 Advantage Series ➤ Make: MSA AUER or Equivalent ➤ Part No.: 10102277 ➤ Connector Type: Thread Connector EN 148-1	200 Nos.

1. Full Face Mask MSA/3M/Equivalent:

- **Type:** Full Face Mask 3S
- **Make:** MSA/3M/Equivalent
- **Part No.:** D2055000
- Reusable, low maintenance.

1. The Face Blank:

- ✓ Resistant to ageing.
- ✓ Not affected by creams or lotions.
- ✓ Special rubber compound which is soft and comfortable or Thermoplastic Elastomer or Silicone which is particularly skin compatible, and ozone and UV radiation resistant.
- ✓ The wide sealing frame and a deeper chin stop assure a snug, comfortable fit and a tight seal.



2. The Lens

- ✓ Moulded from scratch and chemical resistant silicate coated glass [V] or Triplex glass [Vg] or impact resistant plastic [polycarbonate] sandwiched between a groove in the face blank with a 2-part plastic lens ring.
- ✓ The large field of vision as a safety feature of the mask.

3. Connector:

- ✓ Thread connector EN 148-1,
- ✓ It contains the threaded connection, the inhalation valve (made of Polyisoprene) and the speech diaphragm which permits excellent communication.

4. The Exhalation Valve

- ✓ Silicone Rubber
- ✓ Large cross section for low exhalation resistance.
- ✓ Valve disc and valve cover are easily replaceable.

5. The Harness

- ✓ Polyethylene
- ✓ Enable to quick donning and removal of the face mask with-out prior adjustment.
- ✓ A pressure-free fit achieved in combination with a protective helmet.
- ✓ The carrying strap, enabling it to be carried in front of the chest, ready for use.
- ✓ The enlarged tabs of the face blank, making harness easier to don.

6. The Inner Mask

- ✓ Capable of providing an optimal air flow and keeping the lens free from fogging.
- ✓ Reduces the dead space effectively.
- ✓ The rolled edge cares for a soft and comfortable contact with the face.

➤ **Standards/Regulations/Approvals:**

- ✓ Fully compliant with the regulations and do not contain toxic materials as stated in the European regulations
- ✓ High Impact and protection from hot solids, EN136:1998 Class 1 or 3.
- ✓ Relevant performance requirements of EN166: 2001 (Eye Protection-Protection against high speed particles, medium energy).

2. Half Face Mask MSA/3M/Equivalent:

➤ **Type:** Half mask 410 Advantage Series

➤ **Make:** MSA/3M/Equivalent

➤ **Part No.:** 10102277

➤ **Connector Type:**

✓ Thread connector EN 148-1

➤ **Nose cup**

✓ Liquid silicone rubber and nylon

✓ Unparalleled wearer comfort and extraordinary

stability on the user's face due to over-molded

silicone and rigid plastic.

✓ Eliminates multiple leak points.

✓ Integrates extremely well with other PPE (e. g. head, eye and hearing

protection)

➤ **Yoke**

✓ Polyoxyethylene (POM)

✓ The 4-point yoke for high flexibility and guiding the harness straps to a

perfect fit.

✓ Lever to enable quick and easy switch between lock-down and drop-

down.

✓ Lock-Down Permits setting the harness to the proper fit by closing the

lever (mask can then be reused without further adjustments)

✓ Drop-Down allows removing the mask and carrying it safely along the

chest while wearing other PPE.

✓ Non-Drop-Down Provides the option of fixing the harness straps

according to individual requirements

➤ **Inhalation valve:**

✓ Made of Neoprene

➤ **Exhalation valve**

✓ Liquid silicone rubber

✓ Large cross section for low exhalation resistance.

✓ Downward Facing

✓ Avoids projection of exhaled humid air and reduces fogging on face

shield lens

➤ **Neck buckles**

✓ Polypropylene (PP)

✓ Enable intuitive hand-ling due to "snap" that indicates locking

➤ **The Face Blank:**

✓ Special rubber compound which is soft and comfortable or

Thermoplastic Elastomer or Silicone which is particularly skin

compatible, and ozone and UV radiation resistant.

✓ The wide sealing frame and a deeper chin stop assure a snug,

comfortable fit and a tight seal.

✓ Resistant to ageing.

✓ Not affected by creams or lotions.

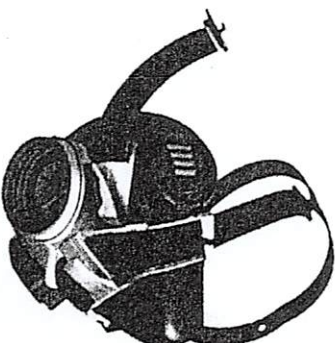
➤ **The Harness**

✓ Polyethylene or Polyester (PES) and Lycra

✓ Neck buckles made of Polypropylene (PP) enable intuitive handling

due to "snap" that indicates locking.

✓ Adjustable Cradle Provides perfect adaptation to different head sizes.



- ✓ Wide Straps minimise twisting and cutting in the nape of the neck.
- ✓ Able to quick and easier donning and doffing of the face mask with-out prior adjustment.
- ✓ A pressure-free fit achieved in combination with a protective helmet.
- ✓ The carrying strap, enabling it to be carried in front of the chest, ready for use.
- **Standards/Regulations/Approvals:**
 - ✓ Tested to the Standards: EN140: 1998, AS/NZS 1716:2003, NIOSH, GOST
 - ✓ Fully compliant with the regulations and do not contain toxic materials as stated in the European regulations

3. Particulate Filter Cartridge MSA/3M/Equivalent:

- **Model:** Particle Filter P3 PlexTec
- **Make:** MSA/3M/Equivalent
- **Part No.:** 10094376
- **Filter Type:** Particulate Filters (P3R)
- **Connector Type:**
 - *R = Reusable
- ✓ Thread connector EN 148-1
- ✓ Compatible to provided Half and Full Face Mask

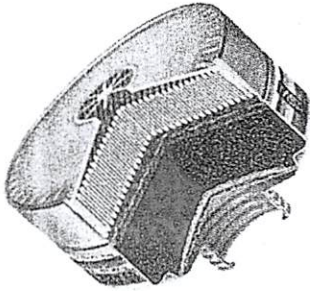
- 99.97% filter efficiency meets NIOSH P3-series test criteria
- Advanced Electret Media (AEM) provides lightweight, easy breathing comfort
- Reduction in inhalation resistance improves filtering performance and service time, while at the same time allowing more relaxed breathing.
- **Protection Against:**
 - ✓ Solid and liquid particles (oil and non-oil based particulate contaminants)
- **Protection Level:**
 - ✓ Protects against solids and liquid particles P3R, HF up to 10 x TLV additionally against organic vapour and acid gases below OEL in a stable plastic cage for rough applications.

➤ **Standards/Regulations/Approvals:**

- ✓ Tested to the Standards AS/NZS 1716:2003, EN143: 2000 / A1:2006
- ✓ Fully compliant with the regulations and do not contain toxic materials as stated in the European regulations.

4. Special Filter Cartridge MSA/3M/Equivalent:

- **Model:** Combined Filter 93 Reactor/St
- **Make:** MSA/3M/Equivalent
- **Part No.:** 10115317
- **Connector Type:**
 - ✓ Thread connector EN 148-1
- ✓ Compatible to provided Half and Full Face Mask.
- **Protection Against:**
 - ✓ Radioactive Iodine & particles.
- **Standards/Regulations/Approvals:**
 - ✓ DIN 3181



5. Combined Gas Filter Cartridge MSA/3M/Equivalent:

- **Model:** ✓ Combined Filter 93 ABEK2-Hg/St
- **Make:** ✓ MSA/3M/Equivalent
- **Part No.:** ✓ 10097232
- **Connector Type:** ✓ Thread connector EN 148-1
- **Protection Against:**
 - ✓ Must be compatible to the given mask
 - ✓ Variety of organic vapours (with boiling point >65°C) / inorganic gases / acid gases / ammonia & methyl- amine (all class 2 - 5000 ml/m³ - 0.5 Vol-%), Mercury vapours and particles (maximum allowed time of use 50hrs).
- **Protection Level:**
 - ✓ When selected and used in accordance with AS/NZS 1715, the Cartridge Filter 6059B is capable of vapours with boiling points >650 C and Ammonia & Methylamine at levels up to ten (10) times the Exposure Standard protection on a half face mask and up to fifty (50) times the Exposure Standard on a full face mask or up to a maximum of 1000ppm whichever is lower.



- **Standards/Regulations/Approvals:**
 - ✓ Tested to the Standards AS/NZS 1716:2003, EN14387:2004 + A1:2008.
 - ✓ Fully compliant with the regulations and do not contain toxic materials as stated in the European regulations
- **Lightweight** - 100g each (nominal)
- **Low breathing resistance**
- **Good balance of weight on face**
- **Excellent field of vision**