

Certificate

of EU type-examination No. UE/458/2020/1437, edition 1

Name of the product:

Filtering half mask

Type (varieties):

MSA Affinity 2110 FFP1 NR D 10128874
OPSIAL by MSA AIR'POCKET FFP1 NR D 58224324
MSA Affinity 2111 FFP1 NR D 10128875
OPSIAL by MSA AIR'POCKET V-FFP1 NR D 58224316

Name and address of the manufacturer:

MSA Europe GmbH
Schlüsselstrasse 12
8645 Rapperswil-Jona
CH-Switzerland

The product meets the applicable essential health and safety requirements
included in Regulation (EU) 2016/425 of the European Parliament and of the Council
of 9 March 2016

Validity period: from 8 September 2020 to 27 February 2024

Head of the Centre
for Certification of Personal
Protective and Working Equipment

A. Stefko
Agnieszka Stefko M.Sc.(Eng.)

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signature of the certificate issuer's representative

Warsaw, date 8 September 2020

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Product description:

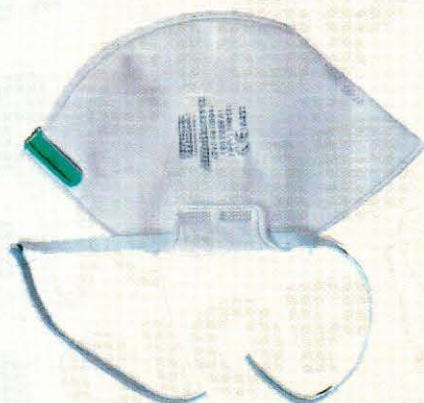
The filtering half mask type MSA Affinity 2110 FFP1 NR D 10128874 and OPSIAL by MSA AIR'POCKET FFP1 NR D 58224324 without the exhalation valve and type MSA Affinity 2111 FFP1 NR D 10128875 and OPSIAL by MSA AIR'POCKET V-FFP1 NR D 58224316 with the exhalation valve are complete devices for respiratory protection. In the filtering half mask without the exhalation valve the air flows in the inhalation and the exhalation phases through the filtering material. In the filtering half mask with the exhalation valve the air flows in the inhalation phase through the filtering material but in the exhalation phase through the exhalation valve and the filtering material. Both types of filtering half masks are useful respiratory protective devices against solid and liquid aerosols.

The filtering half mask consists of three layers of nonwovens:

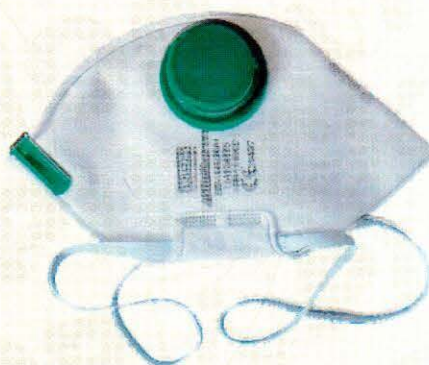
- spun-bonded nonwoven fabric of the surface mass of (70 ± 10) g/m²,
- electret filtering material melt-blown type WPT-P1 of the surface mass of (40 ± 10) g/m²,
- spun-bonded nonwoven fabric of the surface mass of (30 ± 10) g/m².

The half mask bowl is fitted with:

- two strap harnesses made of rubber type oring,
- the nose clip,
- the nosepiece placed on the inside of the bowl,
- the exhalation valve placed at the right-hand side of the bowl for filtering half masks: type MSA Affinity 2111 FFP1 NR D 10128875 and OPSIAL by MSA AIR'POCKET V-FFP1 NR D 58224316.

Image:

type MSA Affinity 2110 FFP1 NR D
10128874



type MSA Affinity 2111 FFP1 NR D
10128875



type OPSIAL by MSA AIR'POCKET FFP1 NR D
58224324



type OPSIAL by MSA AIR'POCKET V-FFP1 NR D
58224316

Basic parameters:

class, personal protective equipment category, performance level(s) or protection class of the product

- penetration of sodium chloride aerosol - protection class FFP1 NR
- penetration of paraffin oil mist aerosol - protection class FFP1 NR
- breathing resistance - protection class FFP1
- total inward leakage - protection class FFP1
- clogging - protection class FFP1 D
- limited to single shift use only - NR

Identification of the submitted documentation:

- application for EU type-examination No. 502/2020 dated 28.07.2020
- agreement on EU type-examination and review of the EU type-examination certificate No. 146/2020/1437, dated 07.07.2020
- technical documentation of PPE dated 17.12.2018
- agreement No. 04/05/2020 dated 28.05.2020
- user's instructions and marking dated 23.07.2020
- manufacturer declaration concerning materials properties dated 23.07.2020

**Product/product model supplied with the EU type-examination application
is compliant with the technical documentation.**

The product meets the requirements of harmonised standard/technical specifications:

EN 149:2001+A1:2009 "Respiratory protective devices. Filtering half masks to protect against particles. Requirements, testing, marking"

confirmed by tests performed by:

CIOP-PIB, Department of Personal Protective Equipment, Lodz, Poland

report No.:

364/PB/2018/NO dated 09.08.2018, 850/PB-COV/2020/NO dated 01.09.2020

Marking:

logo of the manufacturer: MSA or OPSIAL by MSA; product identification type: Affinity 2110 10128874 or Affinity 2111 10128875 or OPSIAL by MSA AIR'POCKET 58224324 or OPSIAL by MSA AIR'POCKET V-58224316; protection class: FFP1 NR D; EN 149:2001 (for Affinity) or EN 149:2001+A1:2009 (for OPSIAL by MSA); date of manufacture identifying the batch/serial number

The certificate applies in conjunction with one of procedures of conformity assessment according to C2 module or D module pursuant to Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016

NOTE 1:

Every modification to the product and its technical documentation to which this certificate pertains should be notified to the Centre for Certification of Personal Protective and Working Equipment of the Central Institute for Labour Protection – National Research Institute.

This certificate shall be valid as long as the above harmonised standard may be applied as a basis for product examination.

NOTE 2:

Forging the content and the markings of the certificate or modifying them (including a photocopy or scan), or using such document as authentic is a crime under Article 270 § 1 of the Criminal Code.