

Certificate

of EU type-examination No. UE/973/2024/1437, edition 1

Name of the product:

Filtering half mask

Type (varieties):

MSA Affinity 2110 FFP1 NR D 10128874

MSA Affinity 2111 FFP1 NR D 10128875

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 28 February 2024 to 27 January 2029

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

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

signature of the certificate issuer's representative

Warsaw, date 28 February 2024

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Product description:

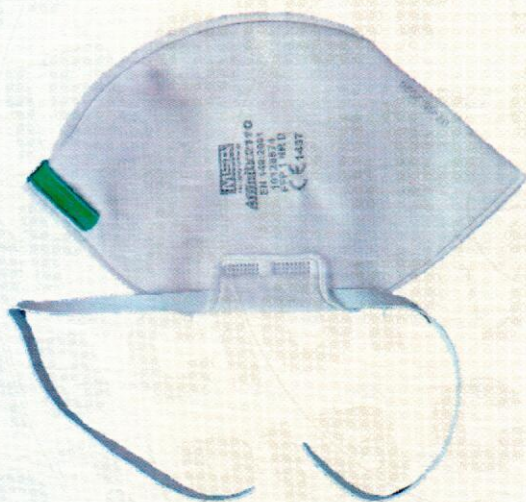
The filtering half mask types MSA Affinity 2110 FFP1 NR D 10128874 without the exhalation valve and type MSA Affinity 2111 FFP1 NR D 10128875 with the exhalation valve are complete devices for respiratory protection. In the filtering half mask without the exhalation valve the air flows in the inhalation 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 following nonwovens layers:

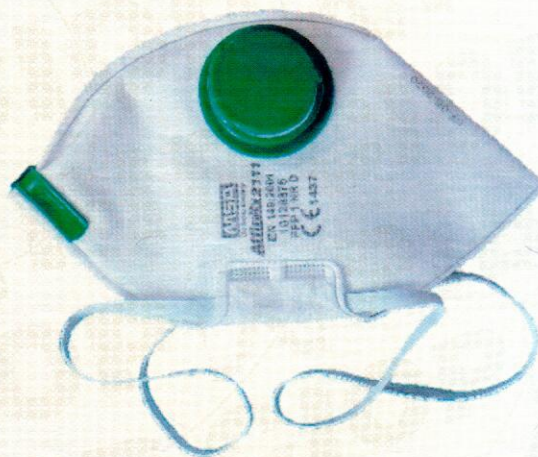
- the outer layer - the spun-bonded nonwoven with the surface mass of (70 ± 10) g/m²,
- the middle layer - the filtering nonwoven type WPT-P1 with the surface mass of (40 ± 10) g/m²,
- the inner layer - the spun-bonded nonwoven with the surface mass of (30 ± 10) g/m².

The half mask bowl is fitted with:

- the head harness made of rubber type oring,
- the nose clip made of plastic, reinforced with two wires,
- the nose sealing placed inside the bowl,
- the exhalation valve placed at the right-hand side of the bowl (type MSA Affinity 2111 FFP1 NR D 10128875).

Image:

type MSA Affinity 2110 FFP1 NR D
10128874



type MSA Affinity 2111 FFP1 NR D
10128875

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. 136/2023 dated 11.12.2023
- agreement on EU type-examination and review of the EU type-examination certificate No. 126/2023/1437, drawn up on 11.02.2023, concluded on 17.01.2024
- certificate No. UE/458/2020/1437
- agreement No. 23/11/2023 dated 23.11.2023
- technical documentation of PPE dated 17.12.2018
- user's instructions dated 31.01.2024
- marking description dated 29.11.2023 and 13.02.2024
- 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: MSA The Safety Company of the manufacturer: MSA Europe GmbH; product identification type: Affinity 2110 10128874 or Affinity 2111 10128875; protection class: FFP1 NR D; standard: EN 149:2001; date of manufacture (day number of the year and year number) 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.