



RM 201
FFP2 NR
CE 2834
EN 149:2001+A1:2008

FILTERING HALF-FACE MASKS

Product Sheet

EN

FILTERING HALF-FACE MASKS

Foreword

Dustproof filtering half masks are Personal Protective Equipment (PPE) to protect the respiratory tract, governed by Regulation (EU) 2016/425 as concerns the essential requirements of health, safety, comfort and ergonomics.

These devices are designed to provide protection against both solid and liquid aerosols. A dustproof filtering half mask covers the nose, mouth and chin and can also have exhalation valves.

Standards

EN 149:2001+A1:2009

The standard specifies the minimum requirements, marking, laboratory tests and practical tests for use.

According to EN 149:2001+A1:2009, half masks are classified according to their filtering efficiency and the maximum total inward leakage. There are three classes of FFP (Filtering Face Piece) protection: FFP1, FFP2 and FFP3.

FFP 1 - They are suitable for environments free of dust and toxic aerosols. These half masks filter at least 80% of the particles in the air up to a size of $0.6\ \mu\text{m}$ and can be used when the "occupational exposure limit value" is not exceeded by more than 4 times.

Occupational Exposure Limit Values (OELVs) are regulatory values which indicate the exposure levels considered safe for a chemical detectable in the air at a workplace.

FFP 2 - They are suitable for environments where the breathing air contains substances that are harmful to health and capable of causing genetic alterations. They must capture at least 94 % of the particles in the air up to a size of $0.6\ \mu\text{m}$ and may be used when the "occupational exposure limit value" reaches a maximum concentration 10 times higher.

FFP 3 - They are suitable for environments with high levels of pollution of the breathing air. They capture at least 99% of particles up to a size of $0.6\ \mu\text{m}$ and are able to filter out toxic, carcinogenic and radioactive particles. These breathing masks can be used when the "occupational exposure limit value" is exceeded up to 30 times the industry's specific value.

REQUIREMENTS	FFP1	FFP2	FFP3
Filtering efficiency	80%	94%	99%
Filtered particle size	Up to $0.6\ \mu\text{m}$	Up to $0.6\ \mu\text{m}$	Up to $0.6\ \mu\text{m}$
Exceeding "occupational exposure limit value"	4 times	10 times	30 times

In addition, filtering half masks are classified as usable only for a single work shift (**NR**) or reusable (**R**).

Structure

Dustproof filtering half-masks are mainly made of **three layers of "non-woven fabric" with different densities**. The outer layer protects against larger particles, the middle layer (Meltblown) filters the smaller particles while the inner layer shapes the mask and protects from moisture in the breath.

The intermediate layer has a mechanical effect as it makes the passage of air towards the inside of the mask tortuous, blocking the entry of particles up to $10\ \mu\text{m}$ in diameter. It also has an electrostatic charge which attracts and retains particles smaller than $6\ \mu\text{m}$.



Instructions for use

Half mask with ELASTIC EAR BANDS.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Figure 1

Place the mask over the nose and over the mouth.

Figure 2

Position the elastic bands behind the ears, hook the rubber bands to the clip (if present) to improve comfort and prevent any leaks.

Figure 3

Fold the nose wire (or nosepiece) with your fingers to adapt it to the shape of the nose.

Figure 4

In order to test the mask's operation, put both hands on the mask then exhale vigorously. If air comes out from around the nose, press the nose wire (or nosepiece). If air escapes from the edges of the mask, reposition the clip (if present).

- Replace the mask immediately if breathing becomes difficult or if the mask is damaged or deformed.
- Replace the mask if you do not get an adequate seal on the face.
- Strictly complying with these instructions is an important step for the safe use of the mask.

Half mask with ELASTIC HEAD HARNESS.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Figure 1

Place the mask over the nose and over the mouth.

Figure 2

Pull the top strap over your head resting it high at the back of your head. Pull the bottom strap over your head and place it around your neck below your ears.

Figure 3

Fold the nose wire (or nosepiece) with your fingers to adapt it to the shape of the nose.

Figure 4

To check the seal between the mask and the face, wrap both hands over the mask and inhale sharply. In case of air leaks around the nose, tighten the nose wire (or nosepiece). In case of air leaks around the edges of the mask, slide the straps backwards along the sides of the head.

- Replace the mask immediately if breathing becomes difficult or if the mask is damaged or deformed.
- Replace the mask if you do not get an adequate seal on the face.
- Strictly complying with these instructions is an important step for the safe use of the mask.

Warnings

Before use, check the mask for any defects or imperfections; if in doubt, discard the mask and take a new one.

During use, avoid touching the mask directly: handle it using the elastic bands and in any case always after having carried out the hand hygiene procedure correctly.

Replace the mask with a new, dry and clean one as soon as the used one becomes damp. Remove the mask avoiding touching the front, using only the elastic bands.

Do not reuse used masks, dispose of them immediately after use.

Dispose of used masks in accordance with current waste disposal regulations. After disposal, carry out the hand hygiene procedure correctly.



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Open mask



Clip fastener

Description

FFP2 NR dustproof filtering foldable **half mask**, with nose wire (or nosepiece) on the nose and elastic bands with clip for fastening behind the head.

Packaging

Size: ONE-SIZE-FITS-ALL

Pack: 50-piece boxes, packed in pairs in a bag. Each carton contains 20 boxes, equal to 1000 pieces in total.

Carton weight: 9,5kg

Carton size: 69x30x38cm

Symbols



European Conformity



Refer to the instructions for use in each box

III CAT

Personal Protective Equipment (PPE), Regulation (EU) 2016/425, Category III.

Marking



	-> Identification of the manufacturer		RM 201 -> Model
FFP2 -> protection classification		NR -> for one work shift only	
EN149:2001+A1:2009 -> Standard			
	-> CE logo		2834 -> identification number of the Notified Body



Areas of application

In all areas with dust-contaminated work environments, such as:



Declaration of Conformity

Notified body: No 2834 CCQS Certification Services Limited

EU DECLARATION OF CONFORMITY
(Annex IX - REGULATION (EU) 2016/425)

The manufacturer:

ZHE JIANG YINGHUA TECHNOLOGY CO., LTD
Jinshan Avenue, Xiaoshun Town, Jinhua,
Zhejiang, China

Declares that the following PPE:

RESPIRATORY PROTECTIVE DEVICE
FILTERING HALF MASK TO PROTECT AGAINST PARTICLES

Model RM201

CAT: III

- complies with the applicable essential health and safety requirements of Annex II - Regulation (EU) 2016/425 and with the standards:
EN 149:2001 + A1:2009 – Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking
Classification: FFP2 NR
- is identical to the PPE related to EU Type-Examination Certificate CE number CE- PC - 200322-085-01-9B issued on: 12/05/2020
issued by CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin D15 AKK1, Ireland. Notified Body No.2834
- The PPE is subject to the conformity assessment procedure, conformity to type based on internal production control plus supervised product checks at random intervals (Module C2) under surveillance of the notified body CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin D15 AKK1, Ireland, Notified Body No.2834.

Place and date
Jinhua May 25,2020

叶小英
(stamp and sign of legal representative)

NB: Do not alter, modify or use this mask illicitly.



WHITE
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Open mask

Description

FFP2 NR dustproof filtering foldable **half mask**, with exhalation valve, with nose wire (or nosepiece) on the nose and elastic bands with clip for fastening behind the head.

Packaging

Size: ONE-SIZE-FITS-ALL

Pack: 20-piece boxes, packed in pairs in a bag. Each carton contains 20 boxes, equal to 400 pieces in total.

Carton weight: 6kg

Carton size: 67x30x32,5cm

Symbols



European Conformity



Refer to the instructions for use in each box

III CAT

Personal Protective Equipment (PPE), Regulation (EU) 2016/425, Category III

Marking



 -> Identification of the manufacturer	RM 201V -> Model
FFP2 -> protection classification	NR -> for one work shift only
EN149:2001+A1:2009 -> Standard	
 -> CE logo	2834 -> identification number of the Notified Body



Areas of application

In all areas with dust-contaminated work environments, such as:



CONSTRUCTION
INDUSTRY



MECHANICAL
INDUSTRY



AGRICULTURE



CLEANING
COMPANIES



TRANSPORT



LOGISTICS

Declaration of Conformity

Notified body: N.2834 CCQS Certification Services Limited

EU DECLARATION OF CONFORMITY

(Annex IX - REGULATION (EU) 2016/425)

The manufacturer:

ZHE JIANG YINGHUA TECHNOLOGY CO., LTD

Jinshan Avenue, Xiaoshun Town, Jinhua,
Zhejiang, China

Declares that the following Personal Protective Equipment:

RESPIRATORY PROTECTIVE DEVICE

FOLDED FILTERING HALF MASK FITTED WITH EAR LOOPS

WITH HEAD HARNESS CLIP, EXHALATION VALVE, INTERNAL METAL NOSE CLIP

Model RM201V

CAT: III

- complies with the applicable essential health and safety requirements of Annex II - Regulation (EU) 2016/425 and with the standard:

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

Classification: FFP2 NR

- is identical to the PPE related to Module B EU Type-Examination Certificate number:

CE- PC -200322-085-01-9B issued on: 12/05/2020

issued by CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15, D15 AKK1, Ireland, Notified Body No.2834

- The PPE is subject to the conformity assessment procedure, conformity to type based on internal production control plus supervised product checks at random intervals (Module C2) under surveillance of the notified body CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15 AKK1, Ireland, Notified Body No.2834.

Place and date

Jinhua Aug.10.2020

Name and role of legal representative

(stamp and sign) 叶小英



NB: Do not alter, modify or use this mask illicitly



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Description

FFP2 NR dustproof filtering half mask, cup-shaped, with nose wire (or nosepiece) on the nose and elastic head harness.

Packaging

Size: ONE-SIZE-FITS-ALL

Pack: 20-piece boxes. Each carton contains 20 boxes, equal to 400 pieces in total

Carton weight: 9,5kg

Carton size: 66x30x36cm

Symbols



European Conformity



Refer to the instructions for use in each box

III CAT Personal Protective Equipment (PPE), Regulation (EU) 2016/425, Category III.

Marking



 -> Identification of the manufacturer	RM 101 -> Model
FFP2 -> protection classification	NR -> for one work shift only
EN149:2001+A1:2009 -> Standard	
 -> CE logo	2834 -> identification number of the Notified Body



Areas of application

In all areas with dust-contaminated work environments, such as:



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LOGISTICS

Declaration of Conformity

Notified body: N.2834 CCQS Certification Services Limited

EU DECLARATION OF CONFORMITY
(Annex IX - REGULATION (EU) 2016/425)

The manufacturer:
ZHE JIANG YINGHUA TECHNOLOGY CO., LTD
Jinshan Avenue, Xiaoshun Town, Jinhua,
Zhejiang, China

Declares that the following PPE:

RESPIRATORY PROTECTIVE DEVICE
FILTERING HALF MASK TO PROTECT AGAINST PARTICLES
Model RM101
CAT: III

- complies with the applicable essential health and safety requirements of Annex II - Regulation (EU) 2016/425 and with the standards:
EN 149:2001 + A1:2009 – Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking
Classification: FFP2 NR
- is identical to the PPE related to EU Type-Examination Certificate CE number CE- PC - 200311-035-01-9B issued on: 10/04/2020
issued by CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin D15 AKK1, Ireland. Notified Body No.2834
- The PPE is subject to the conformity assessment procedure, conformity to type based on internal production control plus supervised product checks at random intervals (Module C2) under surveillance of the notified body CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin D15 AKK1, Ireland, Notified Body No.2834.

Place and date
Jinhua April 30, 2020

(stamp and sign of legal representative)

NB: Do not alter, modify or use this mask illicitly.



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Description

FFP2 NR dustproof filtering half mask, cup-shaped, with exhalation valve, with nose wire (or nosepiece) on the nose and elastic head harness.

Packaging

Size: ONE-SIZE-FITS-ALL

Pack: 10-piece boxes. Each carton contains 20 boxes, equal to 200 pieces in total.

Carton weight: 9,5kg

Carton size: 66x30x36cm

Symbols



European Conformity



Refer to the instructions for use in each box

III CAT

Personal Protective Equipment (PPE), Regulation (EU) 2016/425, Category III

Marking



 -> Identification of the manufacturer	RM 201V -> Model
FFP2 -> protection classification	NR -> for one work shift only
EN149:2001+A1:2009 -> Standard	
 -> CE logo	2834 -> identification number of the Notified Body



Areas of application

In all areas with dust-contaminated work environments, such as:



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LOGISTICS

Declaration of Conformity

Notified body: N.2834 CCQS Certification Services Limited

EU DECLARATION OF CONFORMITY
(Annex IX - REGULATION (EU) 2016/425)

The manufacturer:
ZHE JIANG YINGHUA TECHNOLOGY CO., LTD
Jinshan Avenue, Xiaoshun Town, Jinhua,
Zhejiang, China

Declares that the following PPE:

**RESPIRATORY PROTECTIVE DEVICE
FILTERING HALF MASK TO PROTECT AGAINST PARTICLES**

Model RM101V
CAT: III

- complies with the applicable essential health and safety requirements of Annex II - Regulation (EU) 2016/425 and with the standard:
EN 149:2001 + A1:2009 – Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking
Classification: FFP2 NR
- is identical to the PPE related to EU Type-Examination Certificate CE number CE- PC - 200311-035-01-9B issued on: 10/04/2020
issued by CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin D15 AKK1, Ireland. Notified Body No.2834
- The PPE is subject to the conformity assessment procedure, conformity to type based on internal production control plus supervised product checks at random intervals (Module C2) under surveillance of the notified body CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin D15 AKK1, Ireland, Notified Body No.2834.

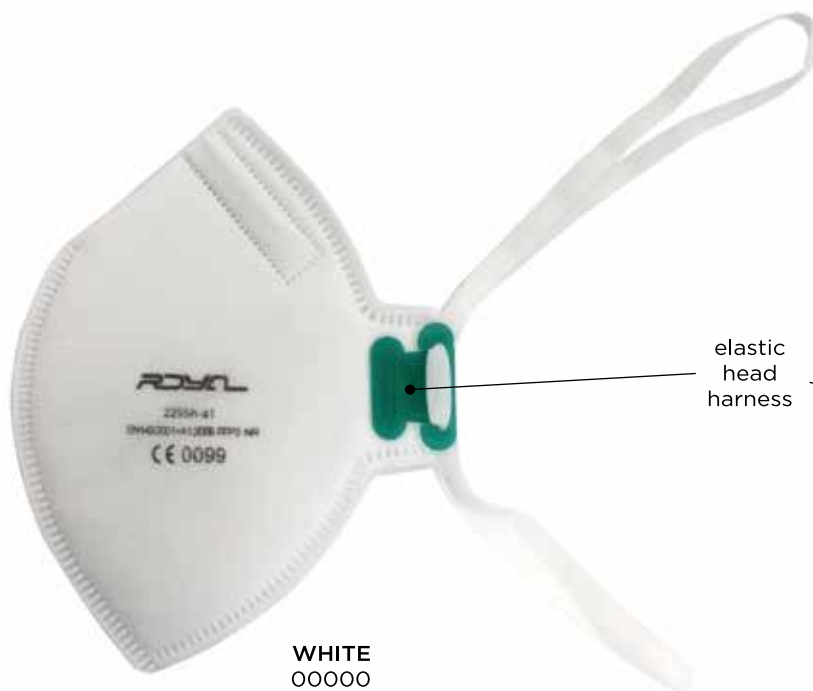
Place and date
Jinhua Sep.03.2020

(stamp and sign of legal representative)



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NB: Do not alter, modify or use this mask illicitly.



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elastic
head
harness



Description

FFP3 NR dustproof filtering foldable half mask, with nose wire (or nosepiece) on the nose, elastic head harness with adjustable fastener.

Packaging

Size: ONE-SIZE-FITS-ALL

Pack: 20-pieces boxes, individually packed in bags. Each carton contains 30 boxes, equal to 600 pieces in total.

Carton weight: 9kg

Carton size: 43x32x65cm

Symbols



European Conformity



Refer to the instructions for use in each box

III CAT

Personal Protective Equipment (PPE), Regulation (EU) 2016/425, Category III.

Marking

ADAM

2295h-a1

EN149:2001+A1:2009 FFP3 NR

CE 0099

ADAM -> Identification of the manufacturer		2295h-a1 -> Model
FFP3 -> protection classification		NR -> for one work shift only
EN149:2001+A1:2009 -> Standard		
CE -> CE logo	0099 -> identification number of the Notified Body	



Areas of application

In all areas with dust-contaminated work environments, such as:



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INDUSTRY



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COMPANIES



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LOGISTICS

Declaration of Conformity

Notified body: N.0099 AENOR INTERNACIONAL S.A.U.

EU DECLARATION OF CONFORMITY
(Annex IX - REGULATION (EU) 2016/425)

The manufacturer:
ROYAL FORKLIFT (JIANGSU) CO., LTD
Comprehensive Bonded Area, North side of Weier Road Guoxiang Street,
Wuzhong District, Suzhou City (China)

Declares that the following PPE:

RESPIRATORY PROTECTIVE DEVICE
FOLDED FILTERING HALF MASK WITHOUT VALVE FITTED WITH HEAD LOOPS

Model 2295h-a1
CAT: III

- complies with the applicable essential health and safety requirements of Annex II - Regulation (EU) 2016/425 and with the standards:
EN 149:2001 + A1:2009 – Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking
Classification: FFP3 NR
- is identical to the PPE related to Module B EU Type-Examination Certificate CE number A18/000072 issued on: 10/08/2020
issued by AENOR INTERNACIONAL S.A.U. Génova, 6. 28004 Madrid. España,
Notified Body No. 0099
- The PPE is subject to the conformity assessment procedure, conformity to type based on quality assurance system of the production process (module D) under surveillance of the notified body AENOR INTERNACIONAL S.A.U. Génova, 6, 28004 Madrid. España Notified Body No. 0099

Place and date
Suzhou Sep.18.2020

(stamp and sign of legal representative)




NB: Do not alter, modify or use this mask illicitly.



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Inside

Description

FFP3 NR dustproof filtering half mask, cup-shaped, with exhalation valve, with nose wire (or nosepiece) on the nose and elastic head harness.

Packaging

Size: ONE-SIZE-FITS-ALL

Pack: 5-piece boxes, packed in a bag. Each carton contains 48 boxes, equal to 240 pieces in total.

Carton weight: 10kg

Carton size: 61x56x49cm

Symbols



European Conformity



Refer to the instructions for use in each box

III CAT

Personal Protective Equipment (PPE), Regulation (EU) 2016/425, Category III.

Marking



	-> Identification of the manufacturer	AK 003 -> Model
FFP3 -> protection classification		NR -> for one work shift only
EN149:2001+A1:2009 -> Standard		
	-> CE logo	2834 -> identification number of the Notified Body



Areas of application

In all areas with dust-contaminated work environments, such as:



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Declaration of Conformity

Notified body: N.2834 CCQS Certification Services Limited

EU DECLARATION OF CONFORMITY

(Annex IX - REGULATION (EU) 2016/425)

The manufacturer:

Jinhua Ai Kou Protective Equipment Co., Ltd.

Zhennan Industrial Zone, Xiaoshun Town, Jinhua, Zhejiang, China

Declares that the following Personal Protective Equipment:

PARTICLE FILTERING HALF MASK

**CUP SHAPE HALF MASK WITH EXHALATION VALVE AND ELASTIC
HEAD HARNESS, EXTERNAL METAL NOSE CLIP**

Model AK003

CAT: III

- complies with the applicable essential health and safety requirements of Annex II - Regulation (EU) 2016/425 and with the standard:
EN 149:2001 + A1:2009 – Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking
Classification: FFP3 NR
- is identical to the PPE related to Module B EU Type-Examination Certificate CE number CE-PC-200723-567-01-9A issued on: 24/07/2020 issued by CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycool Road, Blanchardstown, Dublin 15, D15 AKK1, Ireland. Notified Body No.2834
- The PPE is subject to the conformity assessment procedure, conformity to type based on internal production control plus supervised product checks at random intervals (Module C2) under surveillance of the notified body CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycool Road, Blanchardstown, Dublin D15 AKK1, Ireland, Notified Body No.2834.

Place and date

Jinhua Aug. 10.2020

Name and role of legal representative

(stamp and sign)



NB: Do not alter, modify or use this mask illicitly.



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