

Personal protection equipment

KN95 PM2.5

rev. 10



Code	Description	
KN95-CE	KN95 disposable face mask, CE mark	CE certificate n. 0P20031.TYUQ21 / ECM dated 16/03/2020 – valid till 15/03/2025 Tech construction file n. TPHB20031222272 EN149:2001+A1:2009 CE Directive R2016/425
	Composition	4 layers: 40 gsm non-woven + 50 gsm melt-blown fabric + 60 gsm cotton + 20 gsm non-woven
	Packing	Individually packed units 50 units per bag 20 bags or 1000 units per carton 9 kg per carton 68*32*61 cm
	Storage temperature range	-20°C to +30°C
	Storage relative humidity range	< 80%
	Shelf life	Three years from manufacturing date
	HSCODE	6307900000
	Standard compliance	KN95 (GB2626-2006) equivalent to FFP2 (EN 149-2001) – see below

greensley limited

registered in Ireland #622698: 77 Merrion Square South, Dublin 2, D02DH22 Ireland

VAT/VIES/EORI: IE3528658HH, Director: T. Fitzpatrick

TEL/FAX: INTL +353-1-9609990 / LOCAL 01-9609990

“greensley medical” is the medical products division of greensley limited

<https://medical.greensley.eu> | info@greensley.eu

CERTIFICATION EQUIVALENCE

Based on this comparison, it is reasonable to consider China KN95, AS/NZ P2, Korea 1st Class, and Japan DS FFRs as "equivalent" to US NIOSH N95 and European FFP2 respirators, for filtering non-oil-based particles such as those resulting from wildfires, PM 2.5 air pollution, volcanic eruptions, or bioaerosols (e.g. viruses). However, prior to selecting a respirator, users should consult their local respiratory protection regulations and requirements or check with their local public health authorities for selection guidance.

Certification/ Class (Standard)	N95 (NIOSH-42C FR84)	FFP2 (EN 149-2001)	KN95 (GB2626-20 06)	P2 (AS/NZ 1716:2012)	Korea 1 st Class (KMOEL - 2017-64)	DS (Japan JMHLW- Notification 214, 2018)
Filter performance – (must be ≥ X% efficient)	≥ 95%	≥ 94%	≥ 95%	≥ 94%	≥ 94%	≥ 95%
Test agent	NaCl	NaCl and paraffin oil	NaCl	NaCl	NaCl and paraffin oil	NaCl
Flow rate	85 L/min	95 L/min	85 L/min	95 L/min	95 L/min	85 L/min
Total inward leakage (TIL)* – tested on human subjects each performing exercises	N/A	≤ 8% leakage (arithmetic mean)	≤ 8% leakage (arithmetic mean)	≤ 8% leakage (individual and arithmetic mean)	≤ 8% leakage (arithmetic mean)	Inward Leakage measured and included in User Instructions
Inhalation resistance – max pressure drop	≤ 343 Pa	≤ 70 Pa (at 30 L/min) ≤ 240 Pa (at 95 L/min) ≤ 500 Pa (clogging)	≤ 350 Pa	≤ 70 Pa (at 30 L/min) ≤ 240 Pa (at 95 L/min)	≤ 70 Pa (at 30 L/min) ≤ 240 Pa (at 95 L/min)	≤ 70 Pa (w/valve) ≤ 50 Pa (no valve)
Flow rate	85 L/min	Varied – see above	85 L/min	Varied – see above	Varied – see above	40 L/min
Exhalation resistance - max pressure drop	≤ 245 Pa	≤ 300 Pa	≤ 250 Pa	≤ 120 Pa	≤ 300 Pa	≤ 70 Pa (w/valve) ≤ 50 Pa (no valve)
Flow rate	85 L/min	160 L/min	85 L/min	85 L/min	160 L/min	40 L/min
Exhalation valve leakage requirement	Leak rate ≤ 30 mL/min	N/A	Depressurization to 0 Pa ≥ 20 sec	Leak rate ≤ 30 mL/min	visual inspection after 300 L/min for 30 sec	Depressurization to 0 Pa ≥ 15 sec
Force applied	-245 Pa	N/A	-1180 Pa	-250 Pa	N/A	-1,470 Pa
CO ₂ clearance requirement	N/A	≤ 1%	≤ 1%	≤ 1%	≤ 1%	≤ 1%

*Japan JMHLW-Notification 214 requires an Inward Leakage test rather than a TIL test.

Source: 3M Personal Safety Division, technical bulletin "Comparison of FFP2, KN95, and N95 and Other Filtering Facepiece Respirator Classes" January 2020, Revision 2 – <http://multimedia.3m.com>

PACKAGING



(a) = product



(b) = individual packing of (a)



(c) = 50 items of (b) bag



(d) = 20 bags of (c) – total 1000 units of (b)

MANUFACTURER'S CERTIFICATES

Form QAT_10-M04, version 00, effective since March 6th, 2020

Certificate of Compliance

No. 0P200316.TYUQ21
Technical Construction File no. TPHB20031222272

Certificate's Holder: Tangshan Yuchuang protective equipment Co., Ltd.
No. 11 Geyuan Road, Gaoji District, Tangshan

Certification ECM Mark:  Type Approved

Product: Self-priming Filter Respirator for Particulate Matter Protection
Model: (this certificate certifies only the product without its own specific model)

Verification to: Standard: EN 149:2001+A1:2009
related to CE Directive(s): R 2016/425 (Personal Protective Equipment)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:

CE mark: The manufacturer, Tangshan Yuchuang protective equipment Co., Ltd., for the CE mark, has issued this document on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecertmg.it

Issuance date: 16 March 2020
Expiry date: 15 March 2025

Reviewer: Technical expert Amanda Payne
Approver: ECM Service Director Luca Badarini

Ente Certificazione Macchine Srl
Via Ca' Bella, 243 - Loc. Castello di Serravalle - 40053 Valsamoggia (BO) - ITALY
Tel. +39 051 7705141 - Fax +39 051 7705142 - Email: info@entecertmg.it - Website: www.entecertmg.it

No: XMT0202001253LY/PPE

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EC Declaration of conformity

Council Directive R 2016/425 (Regulation on Personal Protective Equipment)

**TANGSHAN YUCHUANG PROTECTIVE EQUIPMENT CO.,LTD
NO.44 GUYE SIDE STREET, GUYE DISTRICT, TANGSHAN
CITY,HEBEI,CHINA**

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Certify that the product described is in conformity with the Directive R.2016/425
as amended

此资质仅用于出口海关

Product Name:

Face Mask

仅一次性使用

Item No:

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KN95, VC 9501, JF9021V

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The product has been assessed by the application of the following standards:

其他用途一律无效

EN 149:2001+A1:2009

Issue place and date

唐山市防护用品有限公司

Company stamp and Signature of authorized personnel

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No: XMT0202001253LY/PPE

TANGSHAN YUCHUANG PROTECTIVE EQUIPMENT CO.,LTD

CE Technical Documents

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此资质仅用于出口海关

Product name: Face Mask

Applied Directive : Regulation on Personal Protective Equipment (R 2016/425)

Document No.: XMT0202001253LY/PPE

Revision: V0

仅一次性使用

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其他用途一律无效

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Compiled by: (Name/Title/Dept.)	Sadie	Date:	2020-03-23
Reviewed by (Name/Title/Dept.)	唐山市防护用品有限公司	Date:	2020-03-23
Approved by: (Name/Title/Dept.)	Amy	Date:	2020-03-23

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No: XMT0202001253LY/PPE

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Applicant	TANGSHAN YUCHUANG PROTECTIVE EQUIPMENT CO.,LTD		
Address	NO.44 GUYE SIDE STREET, GUYE DISTRICT, TANGSHAN CITY,HEBEI,CHINA		
Test Item Description			
Product Name :	Face Mask		
Model/Type Reference :	KN95, YC 9501, JF9021V		
Standard :	EN 149:2001+A1:2009		
Test Case Verdicts			
Test case does not apply to the test object :	N(A.)		
Test item does meet the requirement :	P(ass)		
Test item does not meet the requirement :	F(ail)		

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General Remarks

- This report shall not be reproduced except in full without the written approval of the testing laboratory.
- The test results presented in this report relate only to the item tested.
- Clause numbers between brackets refer to clauses in EN 149:2001+A1:2009.
- "(see remark #)" refers to a remark appended to the report.
- "(see Annex #)" refers to an annex appended to the report.
- Throughout this report a point is used as the decimal separator.

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其他用途一律无效

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EN 149:2001+A1:2009

Respiratory protective devices — Filtering half masks to protect against particles — Requirements, testing, marking

5	Classification		-
	Particle filtering half masks are classified according to their filtering efficiency and their maximum total inward leakage. There are three classes of devices: FFP1, FFP2 and FFP3.	FFP2	P
	The protection provided by an FFP2 - or FFP3 - device includes that provided by the device of lower class or classes.	provided by an FFP2	P
6	Designation		-
	Particle filtering half masks meeting the requirements of this European Standard shall be designated in the following manner: Particle filtering half mask EN 149 year of publication, classification, option (where "D" is an option for a non re-useable particle filtering half mask and mandatory for re-useable particle filtering half mask).		P
7	Requirements		-
7.1	General		P
	In all tests all test samples shall meet the requirements.		
7.2	Nominal values and tolerances		-
	Unless otherwise specified, the values stated in this European Standard are expressed as nominal values. Except for temperature limits, values which are not stated as maxima or minima shall be subject to a tolerance of $\pm 5\%$. Unless otherwise specified, the ambient temperature for testing shall be $(16 \pm 3)^\circ\text{C}$, and the temperature limits shall be subject to an accuracy of $\pm 1^\circ\text{C}$.	Accord	P
7.3	Visual inspection		-
	The visual inspection shall also include the marking and the information supplied by the manufacturer.		P
7.4	Packaging		-
	Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use.		
7.5	Material		-
	Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.		P
7.6	Cleaning and disinfecting		-
	If the particle filtering half mask is designed to be re-useable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer.		P
7.7	Practical performance		-
	The particle filtering half mask shall undergo practical performance tests under realistic conditions.		P

唐山市防护用品有限公司	These general tests serve the purpose of checking the equipment for imperfections that cannot be determined by the tests described elsewhere in this standard.	唐山市防护用品有限公司	唐
7.8	Finish of parts	-	
	Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	P	
7.9	Leakage	-	
7.9.1	Total inward leakage	-	
	The laboratory tests shall indicate that the particle filtering half mask can be used by the wearer to protect with high probability against the potential hazard to be expected.	indicated	P
7.9.2	Penetration of filter material	-	
唐山市防护用品有限公司	The penetration of the filter of the particle filtering half mask shall meet the requirements of Table 1	See Table 1	P
7.10	Compatibility with skin	-	
	Materials that may come into contact with the wearer's skin shall not be known to be likely to cause irritation or any other adverse effect to health.		
7.11	Flammability	-	
	The material used shall not present a danger for the wearer and shall not be of highly flammable nature.	P	
7.12	Carbon dioxide content of the inhalation air	-	
	The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 10 % (by volume).	P	
7.13	Head harness	-	
唐山市防护用品有限公司	The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.	唐山市防护用品有限公司	P
7.14	Field of vision	-	
	The field of vision is acceptable if determined so in practical performance tests.	P	
7.15	Exhalation valve(s)	-	
	A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations	P	
7.16	Breathing resistance	-	
	The breathing resistances apply to valved and valveless particle filtering half masks and shall meet the requirements of Table 2.	meet the requirements of Table 2.	
唐山市防护用品有限公司	Clogging	唐山市防护用品有限公司	唐
7.17.1	General	-	
	"For single shift use devices, the clogging test is an optional test. For re-usable devices the test is mandatory."	P	
7.17.2	Breathing resistance	-	
7.17.2.1	Valved particle filtering half masks	-	
	After clogging the inhalation resistances shall not exceed FFP1: 4 mbar FFP2: 5 mbar FFP3: 7 mbar	P	

7.17.2	Valveless particle filtering half masks After clogging the inhalation and exhalation resistances shall not exceed FFP1: 3 mbar FFP2: 4 mbar FFP3: 5 mbar at 95 l/min continuous flow.	唐山市防护用品有限公司	-	唐山市防护用品有限公司
7.17.3	Penetration of filter material All types (valved and valveless) of particle filtering half masks claimed to meet the clogging requirement shall also meet the requirements given in 7.9.2, for the Penetration test according to EN 13274-7, after the clogging treatment.	唐山市防护用品有限公司	P	唐山市防护用品有限公司
7.18	Demountable parts All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.	唐山市防护用品有限公司	-	唐山市防护用品有限公司
8	Testing	唐山市防护用品有限公司	P	唐山市防护用品有限公司
8.1	General If no special measuring devices and methods are specified, commonly used devices and methods shall be used.	唐山市防护用品有限公司	-	唐山市防护用品有限公司
8.2	Visual inspection The visual inspection is carried out where appropriate by the test house prior to laboratory or practical performance tests.	唐山市防护用品有限公司	-	唐山市防护用品有限公司
8.3	Conditioning	唐山市防护用品有限公司	-	唐山市防护用品有限公司
8.3.1	Simulated wearing treatment Conditioning by simulated wearing treatment shall be carried out by the following process:	唐山市防护用品有限公司	-	唐山市防护用品有限公司
8.3.2	Temperature conditioning Expose the particle filtering half masks to the following thermal cycle: a) for 24 h to a dry atmosphere of $(70 \pm 3)^\circ\text{C}$; b) for 24 h to a temperature of $(-30 \pm 3)^\circ\text{C}$;	唐山市防护用品有限公司	-	唐山市防护用品有限公司
8.3.3	Mechanical strength Conditioning shall be done in accordance with EN 143.	唐山市防护用品有限公司	-	唐山市防护用品有限公司
8.3.4	Flow conditioning A total of 3 valved particle filtering half masks shall be tested, one as received and two temperature conditioned in accordance with 8.3.2.	唐山市防护用品有限公司	-	唐山市防护用品有限公司
8.4	Practical performance General A total of 2 particle filtering half masks shall be tested: both as received.	唐山市防护用品有限公司	-	唐山市防护用品有限公司
8.4.2	Walking test The subjects wearing normal working clothes and wearing the particle filtering half mask shall walk at a regular rate of 6 km/h on a level course. The test shall be continuous, without removal of the particle filtering half mask, for a period of 10 min.	唐山市防护用品有限公司	-	唐山市防护用品有限公司
8.4.3	Work simulation test The particle filtering half mask shall be tested under conditions which can be expected during normal	唐山市防护用品有限公司	-	唐山市防护用品有限公司

in accordance with 8.3.2

唐山市防护用品有限公司	8.5	Leakage	During this test the following activities shall be carried out in simulation of the practical use of the particle filtering half mask. The test shall be completed within a total working time of 20 min.	唐山市防护用品有限公司	唐L
	8.5.1	General test procedure		-	
	8.5.1.1	Total inward leakage		-	
			A total of 10 test specimens shall be tested: 5 as received and 5 after temperature conditioning in accordance with 8.3.2.	in accordance with 8.3.2.	P
	8.5.1.2	Test equipment		-	
唐山市防护用品有限公司			The test atmosphere shall preferably enter the top of the enclosure through a flow distributor, and be directed downwards over the head of the test subject at a minimum flow rate of 0.12 m/s. The concentration of the test agent inside the effective working volume shall be checked to be homogeneous. The flow rate should be measured close to the subject's head.	唐山市防护用品有限公司	唐L
	8.5.1.3	Test procedure		-	
			Ask the test subjects to read the manufacturer's fitting information and if more than one size of particle filtering half mask is manufactured, ask the test subject to select the size deemed by him to be the most appropriate. If necessary the test supervisor shall show the test subjects how to fit the particle filtering half mask correctly in accordance with the fitting information.	P	
唐山市防护用品有限公司	8.5.2	Method		-	唐L
	8.5.2.1	Principle		-	
			The subject wearing the particle filtering half mask under test walks on a treadmill over which is an enclosure.		
	8.5.2.2	Test equipment		-	
	8.5.2.2.1	Aerosol generator		-	
唐山市防护用品有限公司			The NaCl aerosol shall be generated from a 2 % solution of reagent grade NaCl in distilled water. An atomizer equivalent to the type described should be used. This requires an air flow rate of 100 l/min at a pressure of 7 bar. The atomizer and its housing shall be fitted into a duct through which a constant flow of air is maintained. It may be necessary to heat or dehumidify the air in order to obtain complete drying of the aerosol particles.	唐山市防护用品有限公司	唐L
	8.5.2.2.2	Test agent		-	
			The mean NaCl concentration within the enclosure shall be $(8 \pm 4) \text{ mg/m}^3$ and the variation throughout the effective working volume shall be not more than 10 %. The particle size distribution shall be 0.02 μm to 2 μm equivalent aerodynamic diameter with a mass median diameter of 0.6 μm .	P	
	8.5.2.2.3	Flame photometer		-	
			A flame photometer shall be used to measure the	P	

唐山市防护用品有限公司	concentration of NaCl inside the particle filtering half mask. Essential performance characteristics for a suitable instrument are: a) It should be a flame photometer specifically designed for the direct analysis of NaCl aerosol; b) It should be capable of measuring concentrations of NaCl aerosol between 15 mg/m ³ and 5 ng/m ³ ; c) The total aerosol sample required by the photometer should not be greater than 15 l/min; d) The response time of the photometer, excluding the sampling system, should not be greater than 500 ms; e) It is necessary to reduce the response to other elements, particularly carbon, the concentration of which will vary during the breathing cycle. This will be achieved by ensuring that the band pass width of the interference filter is not greater than 3 nm and that all necessary side band filters are included.	唐山市防护用品有限公司	康L
唐山市防护用品有限公司	8.5.2.2.4 Sample selector A system is required which will switch the sample to the photometer only during the inhalation phase of the respiratory cycle. During the exhalation phase clean air shall be fed to the photometer. The essential elements of such a system are: a) An electrically operated valve with a response time of the order of 100 ms. The valve should have the minimum possible dead space compatible with straight-through, unrestricted flow when open; b) A pressure sensor which is capable of detecting a minimum pressure change of approx 0.05 mbar and which can be connected to a probe inserted in the cavity of the particle filtering half mask. The sensor shall have an adjustable threshold and be capable of differential signaling when the threshold is crossed in either direction. The sensor shall work reliably when subjected to the accelerations produced by the head movements of the subject; c) An interfacing system to actuate the valve in response to a signal from the pressure sensor; d) timing device to record the proportion of the total respiratory cycle during which sampling took place.	唐山市防护用品有限公司	康L
唐山市防护用品有限公司	8.5.2.2.5 Sampling probe The probe shall be fitted securely in a airtight manner to the particle filtering half mask as near as possible to the centre line of the particle filtering half mask. A multiple hole sampling probe is strongly recommended.	唐山市防护用品有限公司	康L
唐山市防护用品有限公司	8.5.2.2.6 Sample pump If no pump is incorporated into the photometer an adjustable flow pump is used to withdraw an air sample from the particle filtering half mask under test. This pump is so adjusted as to withdraw a constant flow of 1 l/min from the sample probe. Dependent on the type of photometer it may be	唐山市防护用品有限公司	康L

Comply with the requirements

唐山市防护用品有限公司



P


唐山市防护用品有限公司	necessary to dilute the sample with clean air.	唐山市防护用品有限公司	唐
8.5.2.2.7	Sampling of enclosure concentration The enclosure aerosol concentration is monitored during the tests using a separate sampling system, to avoid contamination of the particle filtering half mask sampling lines. It is preferable to use a separate flame photometer for this purpose.	-	唐
		P	
8.5.2.2.8	Pressure detection probe A second probe is fitted near to the sample probe and is connected to the pressure sensor.	-	唐
		P	
8.5.2.3	Expression of results The leakage P shall be calculated from measurements made over the last 100 s of each of the exercise periods to avoid carry over of results from one exercise to the other.	-	唐
唐山市防护用品有限公司	唐山市防护用品有限公司	唐山市防护用品有限公司	唐
	$P_{0.05} = \frac{C_1}{C_2} \times \frac{(t_{IN} / t_{EX})}{t_{IN}} \times 100$	P	
	where C1 is the challenge concentration C2 is the measured mean concentration in the breathing zone of the test subject tIN is the total duration of inhalation tEX is the total duration of exhalation	-	唐
8.6	Flammability A total of four particle filtering half masks shall be tested: two in the state as received and two after temperature conditioning in accordance with 8.3.2.	-	唐
		P	
8.7	Carbon dioxide content of the inhalation air A total of 3 particle filtering half masks shall be tested: all 3 as received.	-	唐
唐山市防护用品有限公司	唐山市防护用品有限公司	唐山市防护用品有限公司	唐
		P	
8.8	Strength of attachment of exhalation valve housing A total of three particle filtering half masks shall be tested: one as received, one temperature conditioned in accordance with 8.3.2 and one after the test described for mechanical strength in EN 143	-	唐
		P	
8.9	Breathing Resistance	-	唐
8.9.1	Test samples and fixture	-	唐
8.9.1.1	Valveless particle filtering half masks A total of 9 "valveless particle filtering" half masks shall be tested: 3 as received, 3 after temperature conditioning in accordance with 8.3.2 and 3 after the test for simulated wearing in accordance with 8.3.1	-	唐
唐山市防护用品有限公司	唐山市防护用品有限公司	唐山市防护用品有限公司	唐
8.9.1.2	Valved particle filtering half masks A total of 12 valved particle filtering half masks shall be tested: 3 as received, 3 after temperature conditioning in accordance with 8.3.2, 3 after the test for simulated wearing in accordance with 8.3.1 and 3 after the flow conditioning in accordance with 8.3.4.	-	唐
		P	
8.9.2	Exhalation resistance Seal the particle filtering half mask on the Sheffield dummy head. Measure the exhalation resistance at the opening for mouth of the dummy head using the adapter shown in Figure 6 and a breathing machine	-	唐
		P	

唐山市防护用品有限公司	adjusted to 25 cycles/min and 20 l/min or a continuous flow 160 l/min. Use a suitable pressure transducer.	唐山市防护用品有限公司		唐
8.9.3	Inhalation resistance		-	
	Test the inhalation resistance at 30 l/min and 95 l/min continuous flow.		P	
8.10	Clogging		-	
8.10.1	Principle		-	
	The test aerosol shall be dolomite. A total of 3 particle filtering half masks shall be tested: 1 as received and 2 after temperature conditioning in accordance with 8.3.2.		P	
8.10.2	Test equipment		-	
唐山市防护用品有限公司	A scheme of a typical apparatus is given in Figure 10. The working area of the test chamber has a suggested square section of 650 mm × 650 mm.	唐山市防护用品有限公司	P	唐
8.10.3	Test conditions		-	
	Dust: DRB 4/15 dolomite. The size distribution of dolomite dust is given in Table 3.	唐山市防护用品有限公司	P	
8.10.4	Test procedure		-	
	Convey dust from the distributor to the dust chamber where it is dispersed into the air stream of 60 m ³ /h.		P	
8.10.5	Assessment of clogging		-	
	Following the exposure, measure the breathing resistance of the particle filtering half mask using clean air. Then measure the filter penetration in accordance with 8.11.		P	
唐山市防护用品有限公司	Penetration of filter materials	唐山市防护用品有限公司	-	唐
	The device shall be mounted in a leaktight manner on a suitable adapter and subjected to the test(s), ensuring that components of the device that could affect filter penetration values such as valves and harness attachment points are exposed to the challenge aerosol.			
9	Marking		P	
9.1	Packaging		-	
	The following information shall be clearly and durably marked on the smallest commercially available packaging or legible through it if the packaging is transparent.			
9.1.1	The name, trademark or other means of identification of the manufacturer or supplier	唐山市防护用品有限公司	P	唐
9.1.2	Type-identifying marking.			
9.1.3	Classification			
	The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D."	唐山市防护用品有限公司	FFP2	P
9.1.4	The number and year of publication of this European Standard.		-	
9.1.5	At least the year of end of shelf life. The end of shelf life may be informed by a pictogram as shown in		P	

USER'S MANUAL

为了您的健康，我们建议您在使用前进行简单的4步检查。


1. 口罩整体外观无破损或严重污染；
2. 头带无破损，且弹性良好；
3. 鼻夹部分无破损或折断；
4. 如有呼气阀，检查呼吸阀及阀片状况，防止破损或丢失。



① 弯曲鼻梁上的金属条和自己鼻子的形状相匹配，将防尘口罩罩住鼻子和嘴巴

正确的佩戴方法 佩戴耳带式口罩时请遵循以下步骤：


1. 鼻夹向外，双手分别拉住一边耳带，确保鼻夹向上；
2. 戴上口罩，下巴置于口罩内，双手将耳带扣于耳后；
3. 调节至舒适位置，使口罩贴合脸部；
4. 将双手的食指及中指按压调节鼻夹，直至紧贴鼻梁；
5. 进行气密性检查。



② 将带子放在头部后放，调节松紧带到舒适位置

气密性检验 如以下步骤，检验佩戴的口罩与面部密合性：

1. 将双手手指并拢，外扣于口罩上。请勿移动口罩的位置；
2. 用力吸气，然后屏住呼吸几秒，感觉到口罩有明显的向内塌陷；
3. 用力呼气，然后屏住呼吸几秒，感觉到口罩有明显的向外鼓胀；
4. 如果检测到漏气，请重新按1-3步骤重新检查直至同时满足2、3要求。
5. 只有完全通过1-3步骤检验的口罩，才能符合防护级别口罩的气密性要求。




③ 用手指从鼻梁夹沿鼻子调整上下两根松紧带，直到确认防尘口罩的密封

产品特点

- 立体设计，加大口罩空间，立体空间消除一般口罩存在的呼吸紧迫感
- 折叠设计，避免口罩内侧暴露在外或受污染，保持口罩干净，维护个人卫生，方便收纳不占空间

使用范围与储存

1. 适用于成人；
2. 不可水洗；
3. 需储存于通风良好、避光、干燥的环境中，并远离火源与污染；
4. 储存温度：-20℃-38℃，储存湿度≤80%；
5. 储存期限：3年（生产日期详见外盒包装）



(冀) XK02-001-00153

产品名称：颗粒物防护口罩
材质：无纺布、过滤层、耳部弹力尼龙
适用范围：电焊、粉尘打磨、煤矿、化工等

唐山市禹创防护用品有限公司
厂址：唐山古冶区古冶一面街44号

For your health we recommend that you perform a simple 4-step check before use.

1. There is no damage or serious pollution on the overall appearance of the mask;
2. The strap is not damaged and has good elasticity;
3. There is no damage or break of the metal nose clip;
4. If there is an exhalation valve, check the condition of the exhalation valve and valve plate to find whether there is damage and loss or not.





- ① Bend the metal strip on the bridge of nose to match the shape of your nose, and cover your nose and mouth with dust mask.

For correct wearing method, please follow the following steps when wearing the earloop mask:

1. The metal nose clip is outward, and pull the straps with both hands to ensure that the nose clip is upward;



- ② Place the belt behind the head and

<ol style="list-style-type: none"> Put on the mask, place the chin in the mask, and buckle the strap behind the ear with both hands; Adjust to a comfortable position to make the mask fit your face; Use the forefinger and middle finger of both hands to press and adjust the metal nose clip until it is close to the bridge of nose; Carry out air tightness inspection. 	<p>adjust the elastic strap to a comfortable position.</p>
<p>The air tightness test is as follows. Check the tightness between the mask and the face:</p> <ol style="list-style-type: none"> Put your hands and fingers together, buckle them on the mask, and do not move the position of the mask; Inhale forcefully, hold your breath for a few seconds, and feel the mask collapse inward obviously; Exhale forcefully, hold your breath for a few seconds, and feel the mask bulge outwards obviously; If air leakage is detected, please recheck according to steps 1-3 until the requirements of step 2 and 3 are met at the same time; Only the masks that have passed the inspection in steps 1-3 can meet the air tightness requirements of the protection level masks. 	 <p>③ Use your fingers to adjust the upper and lower elastic straps along the nose from the bridge of the nose until you confirm the sealing of the dust mask.</p>
<p>Use and storage</p> <ol style="list-style-type: none"> Suitable for adults; Do not wash with water; It should be stored in a well ventilated, dark and dry environment, and away from fire and pollution; Storage temperature, 20-38 °C, storage humidity less than 80%; Storage period: 3 years (see outer box packaging for production date) 	<p>Features:</p> <ul style="list-style-type: none"> Three-dimensional design increases mask space, eliminate the breath urgency of general masks; Folded design to prevent the inside of the mask from being exposed or contaminated, keep the mask clean, maintain personal hygiene, and facilitate storage without occupying space.
<p>Product name: Particulate protection mask</p> <p>Material: non-woven fabric. Filter layer. Ear elastic nylon</p> <p>Scope of application: electric welding, dust grinding, coal mine, chemical industry, etc</p>	 <p>(Hebei China) XK02-001-00153</p> <p>Tangshan Yuchuang Protective Equipment Co., Ltd. Address: No.44 Guye Yimian Street, Guye District, Tangshan</p>