



Respiratory protection

Filter respirators

more than safety

Filter Respirators

Our filter respirators are manufactured from the highest quality raw materials. A wide range of products allows for to any working conditions, ensuring the comfort of employees and effective protection of the respiratory system. Respiratory system. We place particular emphasis on our customers' requirements, therefore Oxyline respirators are manufactured in many variants of equipment tailored to their needs.

> Flexible clamp for to tighten the nose.



Absorbent sealing

Very robust construction and anatomical shape to fit most face shapes.

Exhaust valve

allowing to effectively and quickly get rid of carbon dioxide and water vapour from under the under the bonnet. Allows you to work with high physical effort.

Detachable head harness allows

to put on half mask (belt clip) for a worker wearing The detachable head harness makes it possible to put on a half-mask (belt clip) for a worker wearing e.g. a welding visor.

Sliding head harness, which allows to adjust the length of the upper and lower head harness according to individual worker needs. of the worker. The sliding strap makes it possible to hang the The sliding strap allows the respirator to be hung around the neck so that it is easy to put on.

Absorbent sealing, which additionally sealsthe respirator and absorbssweat, to improve the comfort of wearing the respirator, particularly in difficult working conditions, such ashigh temperature, high humidity, hard and demanding work.

Top quality inner layer filtration layer for maximum effectiveness effectiveness with low breathing resistance.

Protective non-woven fabric, which is in contact with the face, does not cause irritation or allergies and provides great comfort.

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PROTECTION CLASSES AND EXAMPLES OF APPLICATION

Respirators class FFP1 are designed to protect respiratory system against harmful effect of dusts, solid and liquid aerosols, provided that the concentration of dispersed phase of aerosol should not exceed 4xOEL.

Examples of application: Non-toxic dusts, food industry, agriculture, quarries, cement plants, softwood processing, and in particular for dusts like calcium carbonate, natural and synthetic graphite, gypsum, chalk, cement, plaster, marble, zinc oxide, pollen, cellulose, sulphur, cotton, metallic file dust, coal dust with free silica content less than 10%.

Respirators class FFP2 are designed to protect respiratory system against harmful effect of dusts, solid and liquid aerosols, provided that the concentration of dispersed phase of aerosol should not exceed 10xOEL.

Examples of application: medium toxic solids, asbestos, copper, barium, titanium, vanadium, chromium, manganese, hardwood, coal dust with free silica content exceeding 10%, glass fibre, mining industry, chemical industry, metallurgic industry, welding, soldering, respirable dusts.

ACTIVE CARBON LAYER

protects the respiratory tract from the simultane ousirritating effect of aerosols and vapour sof organics subtances with the concentration level lower than the OEL.

Examples of application: Waste sorting, battery production, painting and interior decorating, wastewater treatment plants, <u>weldi</u>ng.

Respirators class FFP3 are designed to protect respiratory system against harmful effect of dusts, solid and liquid aerosols, provided that the concentration of dispersed phase of aerosol should not exceed **30xOEL**. **Examples of application:** High concentrations of respirable dusts, welding and soldering, protection against e.g. dusts containin beryllium, antimony, arsenic, cadmium, cobalt, nickel, radium, strychnine, radioactive particles, asbestos, glass fibre, in pharmaceutical industry.

NOTE: Respirators do not supply oxygen. Never use in the absence of oxygen (below 17%). Respirators do not protect against toxic gases and vapours of hazardous substances. Never use when extinguishing fire. Respirators may not be fully functional when worn on unshaven or bearded face. Never use respirator when type, concentration and properties of hazardous substances are unknown.



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Our Technology





New innovative high performance filter material, which combines electrostatic and physical properties – and thus, ensures highest filtration index with lowest breathing resistance.

MATERIAL STRUCTURE





Inspiration 951/min – averaged airflow for a man doing harder work while breathing in/inhale. Breathing resistance is measured in millibars – mBar.



External protective fabric/ liquid

NaCL% – paraffin oil and sodium chloride mist penetration measured in percentages. How many harmful substances can go under the respirators to respiratory tract.

* Tested by Oxyline Lab and Technical University of Lodz on the line X masks

Filtering Half Masks Cup Shaped

EN 149:2001+A1:2009



CLASS FFP1

X 100 **FFP1** R D

- Protection up to 4 x OEL

Type of

packing

Standard

Boxed

Foil



X 110 **FFP1** R D

Master

carton

500

360

300

Pcs.

50

10

3

Protection up to *4 x OEL*Adjustable the length of the head harness straps

Type of
packingPcs.Master
cartonStandard50500Boxed10360

3

300

Foil



X 100 V **FFP1** R D

Protection up to *4 x OEL*Exhalation valve

Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	10	360
Foil	3	300



X 110 V **FFP1** R D

- Protection up to 4 x OEL
- Adjustable the length
- of the head harness straps - Exhalation valve
- Exhalation valve

Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	10	360
Foil	3	300



CLASS FFP2

X 200 **FFP2** R D

- Protection up to 10 x OEL

Type of packing	Pcs.	Master carton
Standard	50	800
Boxed	15	600
Foil	5	300



X 210 V **FFP2** NR D

- Protection up to 10 x OEL
- Adjustable the length of the head harness straps
- Absorbent sealing
- For the food industry
- Exhalation valve

Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	10	360
Foil	3	300



Filtering Half Masks Cup Shaped

EN 149:2001+A1:2009



CLASS FFP2

X 200 V FFP2 R D

- Protection up to 10 x OEL Exhalation valve

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Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	10	360
Foil	3	300



X 210 V FFP2 R D

- Protection up to 10 x OEL
- Adjustable the length
- of the head harness straps - Exhalation valve

Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	10	360
Foil	3	300



X 210 FFP2 NR D

- Protection up to 10 x OEL - Adjustable the length of the head harness straps - Compliant with: 14683:2019+AC:2009 TYPE: II R

Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	10	360
Foil	3	300



X 210 SV FFP2 R D

- Protection up to 10 x OEL
- Adjustable the length
- of the head harness straps
- Absorbent sealing
- Exhalation valve

			1
Type of packing	Pcs.	Master carton	
Standard	50	500	
Boxed	10	360	
Foil	3	300	



CLASS FFP3

X 310 FFP3 NR

- Protection up to 30 x OEL - Adjustable the length of the head harness straps
- Compliant with: 14683:2019+AC:2009 TYPE: II R

Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	10	360
Foil	3	300



X 310 SV FFP3 NR D

- Protection up to 30 x OEL - Adjustable the length of the head harness straps - Exhalation valve

Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	10	360
Foil	3	300



Filtering Half Masks Cup Shaped

EN 149:2001+A1:2009



CLASS FFP3

X 310 SV FFP3 R D

- Protection up to 30 x OEL
- Adjustable the length of the head harness straps
- Absorbent sealing
- Exhalation valve

Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	10	360
Foil	3	300



X 310 SV FFP3 NR D

- Protection up to 30 x OEL
- Adjustable the length of the head harness straps
- Absorbent sealing
- For the food industry
- Exhalation valve

Type of packing	Pcs.	Master carton			
Standard	50	500			
Boxed	10	360			
Foil	3	300			



X 320 SV FFP3 R D

- Protection up to 30 x OEL
- Adjustable the length of the head harness straps
- Absorbent sealing
- Detachable belt
- Exhalation valve

Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	8	288
Foil	3	300



CLASS FFP1

XC 110 V **FFP1** R D

- Protection up to 4 x OEL - Exhaust valve

Pcs.

50

8

3

500

288

300



CLASS FFP2

XC 210 V FFP2 R D

- Protection up to 10 x OEL - Adjustable the length of the head harness straps - Exhaust valve

Type of packing	Pcs.	Master carton
Standard	50	500
Boxed	8	288
Foil	3	300



Type of

packing

Standard

Boxed

Foil

Półmaski Płaskie Składane

EN 149:2001+A1:2009

CLASS FFP2

CLASS FFP3



- Protection up to 10 x OEL - Adjustable the length of the head harness straps
- Exhaust valve

Type of

packing

Boxed

Foil

Type of packing	Pcs.	Master carton		
Standard	40	800		
Boxed	10	360		
Foil	3	300		



of the head harness straps - Exhaust valve Type of Master Pcs. packing carton Standard 40 800 Boxed 10 360

300

3

BE SPACE

CLASS FFP1

CLASS FFP2

Foil

CLASS FFP3

XF 110 V FFP1 NR D XF 210 V FFP2 NR D XF 310 V FFP3 NR D



Type of packing	Pcs.	Master carton	- - ,
Standard	40	800	
Boxed	12	432	-
Foil	3	300	

- Protection up to 4 x OEL
- Adjustable the length of the head harness straps
- Exhaust valve

Type of packing	Pcs.	Master carton			
Standard	40	800			
Boxed	12	432			
Foil	3	300			

Protection up to 10 x OEL Adjustable the length of the head harness straps Exhaust valve

Type of packing	Pcs.	Master carton		
Standard	40	800		
Boxed	12	432		
Foil	3	300		

- Protection up to 30 x OEL Adjustable the length of the head harness straps Exhaust valve

FLAT-FOLDED half masks, take up very little space when they are not used and can be easily carried around.

Features of disposable respirators

	:2009	60 Construction 72 of half-mask			Half-mask accessories						Utility parameters		Range of application	
Construction of half-mask	Class accordingto PN-EN149:2001+A1	Cupmask	Flat-folded mask	Elastic nose sealing clip	Sealing foam	Exhalation valve	Adjustable headband	Detachable headband	Absorbent sealing	Active carbon filtrating layer	Medical device to standard 14683:2019+AC:2019	Penetration of paraffin oil and sodium chloride at flow rate 95 l/min.	Initial respiration resistance at flow rate 95 l/min.	Ocupational Exposure Limit
X100		•		•	•									
X100 V		•		•	•	•								
X110		•		•	•		•							
X110 V	1	•		•	•	•	•							
XF110 V			•	•	•	•	•					< 20%	< 210 Pa	4x0EL
XC100	Ц.	•		•	•					•				
XC100 V		•		•	•	•				•				
XC110		•		•	•		•			•				
XC110 V		•		•	•	•	•			•				
X200		•		•	•									
X200 V		•		•	•	•								
X210		•		•	•		•				•			
X210 V	~ .	•		•	•	•	•							
X210 SV	2	•		•	•	•	•		•					
X220 SV		•		•	•	•	•	•	•					10.051
XF210 V			•	•	•	•	•					< 6%	< 240 Pa	10xOEL
XC200		•		•	•					•				
XC200 V		•		•	•	•				•				
XC210		•		•	•		•			•				
XC210 V		•		•	•	•	•			•				
DONALD			•	•	•		•				•			
DONALD V			•	•	•	•	•							
X310		•		•	•		•							
X310 SV		•		•	•	•	•		•					
X310 NR	<u>က</u>	•		•	•		•				•			
X320 SV		•		•	•	•	•	•	•			< 1%	< 300 Pa	30xNDS
XF310 V			•	•	•	•	•							
DONALD			•	•	•		•							
DONALD V			•	•	•	•	•							

Aerosols - are diphase solid - gas or liquid - gas systems, with air as dispersing phase (gas) Dust - Suspension of fine solids i the air **OEL** - Occupational Exposure Limit – upper limit on the acceptable concentration of a hazardous substance in workplace air for a particular material or class of materials D - Testing with dolomite dustNR - Single shift use only respiratorR - Reusable

NOTES

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