



Respiratory Protection

MANUFACTURER OF HIGH QUALITY RESPIRATORS

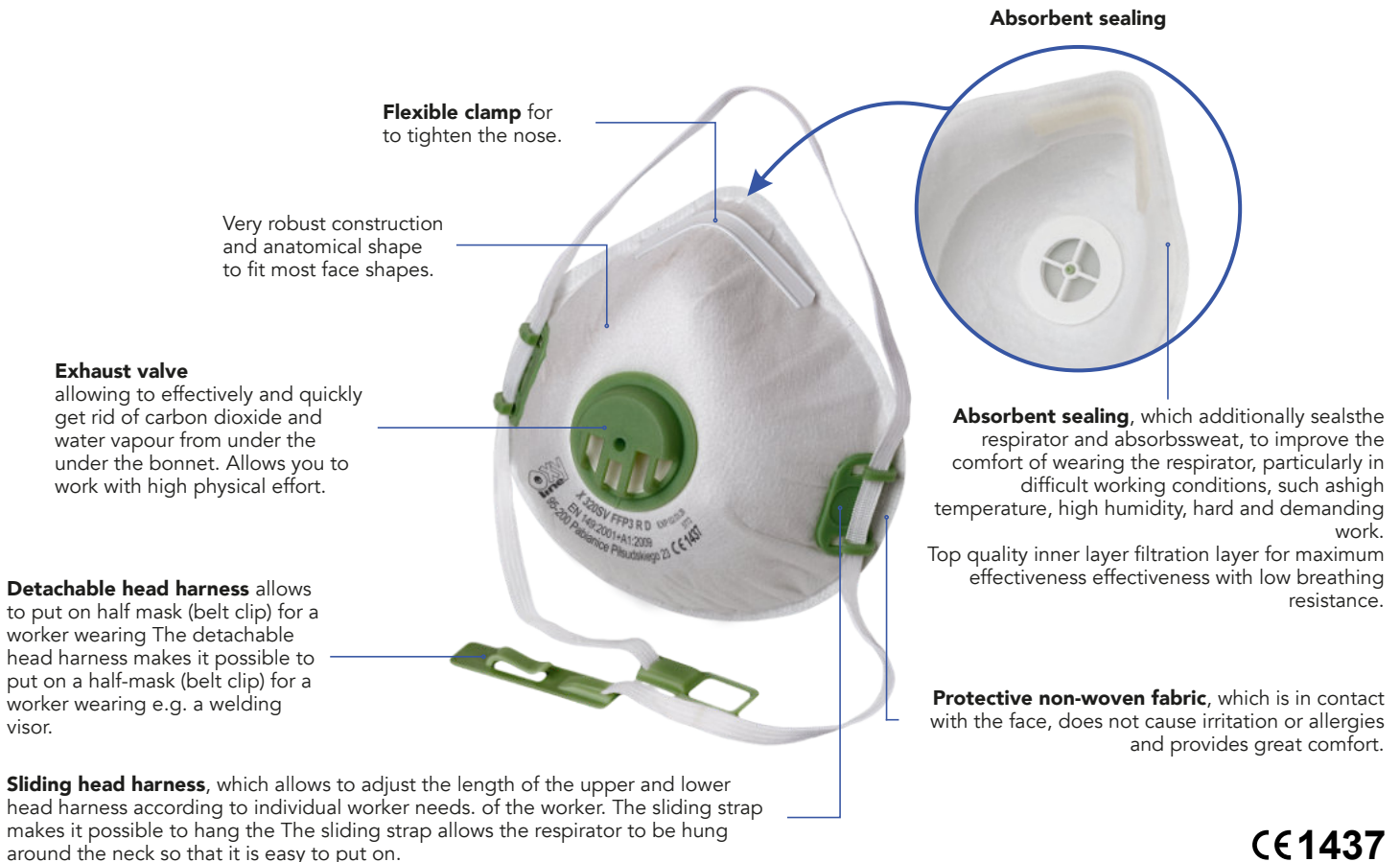
All our products are made of top quality materials using advanced technology

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.



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.

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.

ACTIVE CARBON LAYER

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

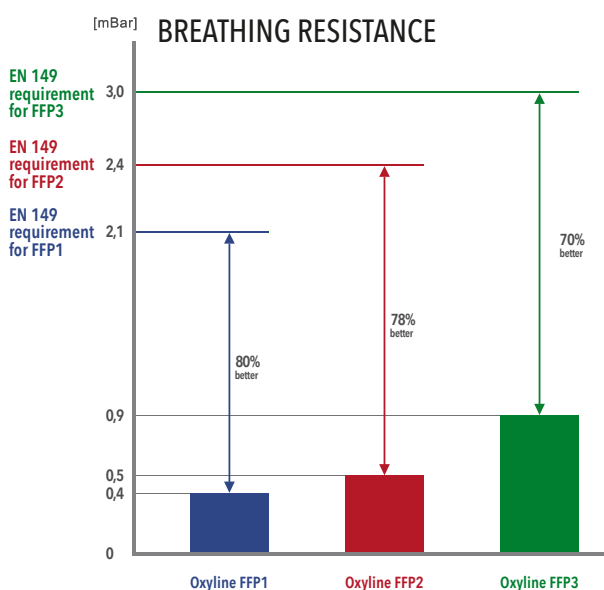
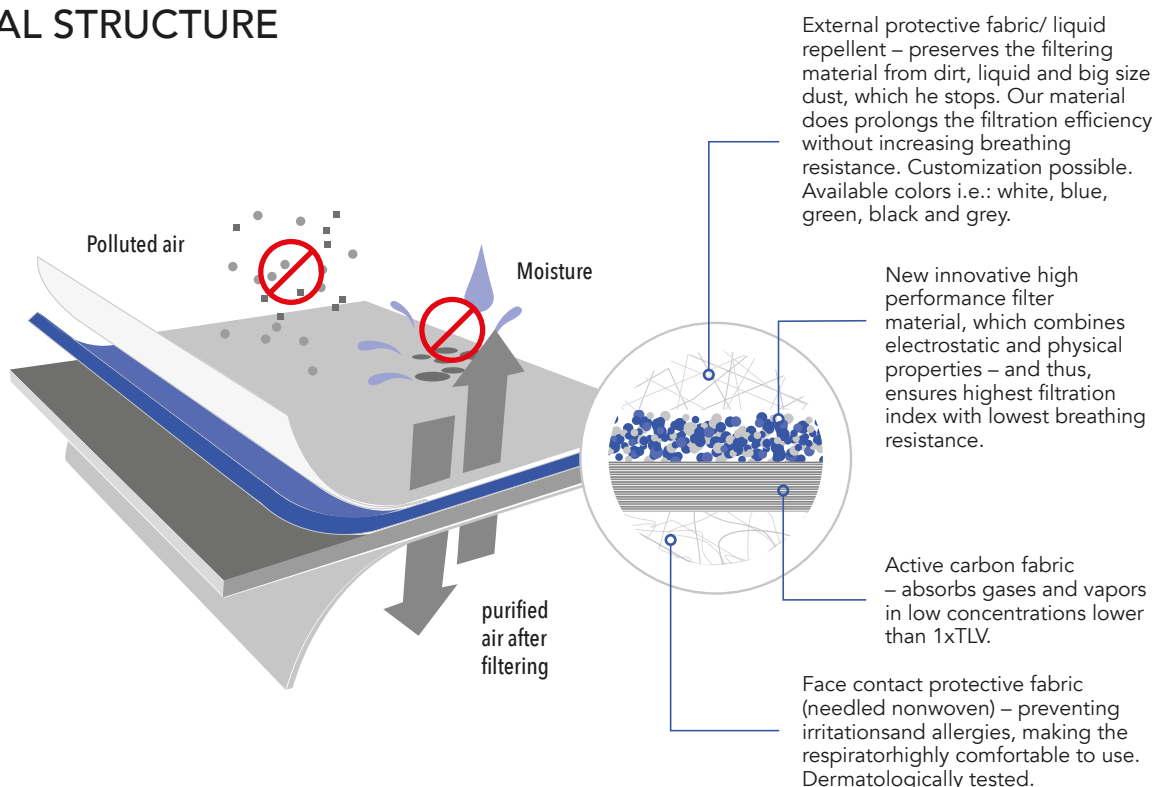
Examples of application: Waste sorting, battery production, painting and interior decorating, wastewater treatment plants, welding.

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.

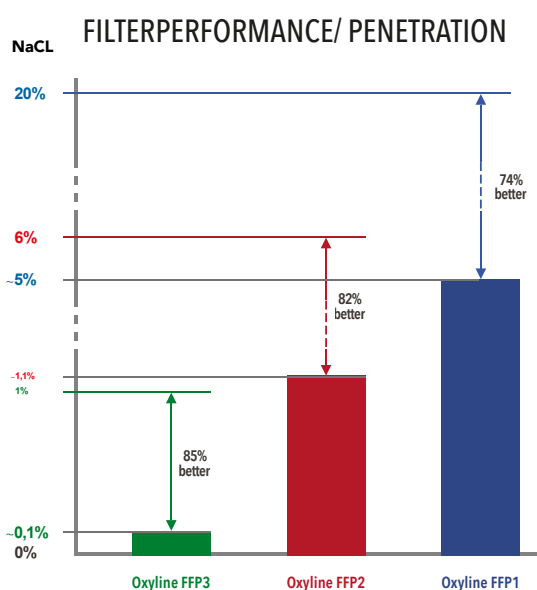


New innovative high performance filter material, which combines electrostatic and physical properties – and thus, ensures highest filtration index with lowest breathing resistance.

MATERIAL STRUCTURE



Inspiration 95l/min – averaged airflow for a man doing harder work while breathing in/inhale. Breathing resistance is measured in millibars – mBar.



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

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 FFP1 R D

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



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



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

Respirators without exhalation valve are designed mostly for work not requiring material physical effort

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



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

MEDICAL DEVICE

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 SV FFP2 R D

- Protection up to **10 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

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

MEDICAL DEVICE

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

Respirators without exhalation valve are designed mostly for work not requiring material physical effort

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 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



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



CLASS FFP1

XC 100 V FFP1 R D

- Protection up to **4 x OEL**
- Exhaust valve

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



+ ACTIVE CARBON LAYER

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



+ ACTIVE CARBON LAYER

Filtering Half Masks Flat Folded

EN 149:2001+A1:2009



CLASS FFP1

CLASS FFP2

CLASS FFP3

XF 110 V **FFP1** R D

XF 210 V **FFP2** R D

XF 310 V **FFP3** R D



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



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



- Protection up to **30 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

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

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

CLASS FFP2

DONALD **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	1000
Boxed	20	600
Foil	3	300

MEDICAL DEVICE

DONALD **FFP2 V** NR D

- 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	10	360
Foil	3	300

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

Features of disposable respirators

Construction of half-mask	Class according to PN-EN149:2001+A1:2009	Construction of half-mask		Half-mask accessories								Utility parameters		Range of application
		Cupmask	Flat-folded mask	Elastic nose sealing clip	Sealing foam	Exhalation valve	Adjustable headband	Detachable headband	Absorbent sealing	Active carbon filtering 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.	Occupational Exposure Limit
X100	FFP1	•		•	•							< 20%	< 210 Pa	4xOEL
X100 V		•		•	•	•								
X110		•		•	•	•	•							
X110 V		•		•	•	•	•							
XF110 V		•	•	•	•	•								
XC100		•		•	•				•					
XC100 V		•		•	•	•			•					
XC110		•		•	•	•	•		•					
XC110 V		•		•	•	•	•		•					
X200	FFP2	•		•	•	•					< 6%	< 240 Pa	10xOEL	
X200 V		•		•	•	•								
X210		•		•	•	•	•			•				
X210 V		•		•	•	•	•							
X210 SV		•		•	•	•	•	•						
X220 SV		•		•	•	•	•							
XF210 V		•	•	•	•	•	•	•						
XC200		•		•	•				•					
XC200 V		•		•	•	•			•					
XC210		•		•	•		•		•					
XC210 V		•		•	•	•			•					
DONALD		•		•	•	•	•							•
DONALD V	•	•	•	•	•	•								
X310	FFP3	•		•	•	•					< 6%	< 300 Pa	30xOEL	
X310 SV		•		•	•	•		•						
X310 NR		•		•	•	•				•				
X320 SV		•		•	•	•		•						
XF310 V		•	•	•	•	•								

Aerosols - are diphasic solid - gas or liquid - gas systems, with air as dispersing phase (gas)

Dust - Suspension of fine solids in 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 dust

NR - Single shift use only respirator

R - Reusable

NOTES



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more than safety



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