



Respiratory protection

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.



CE1437

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.

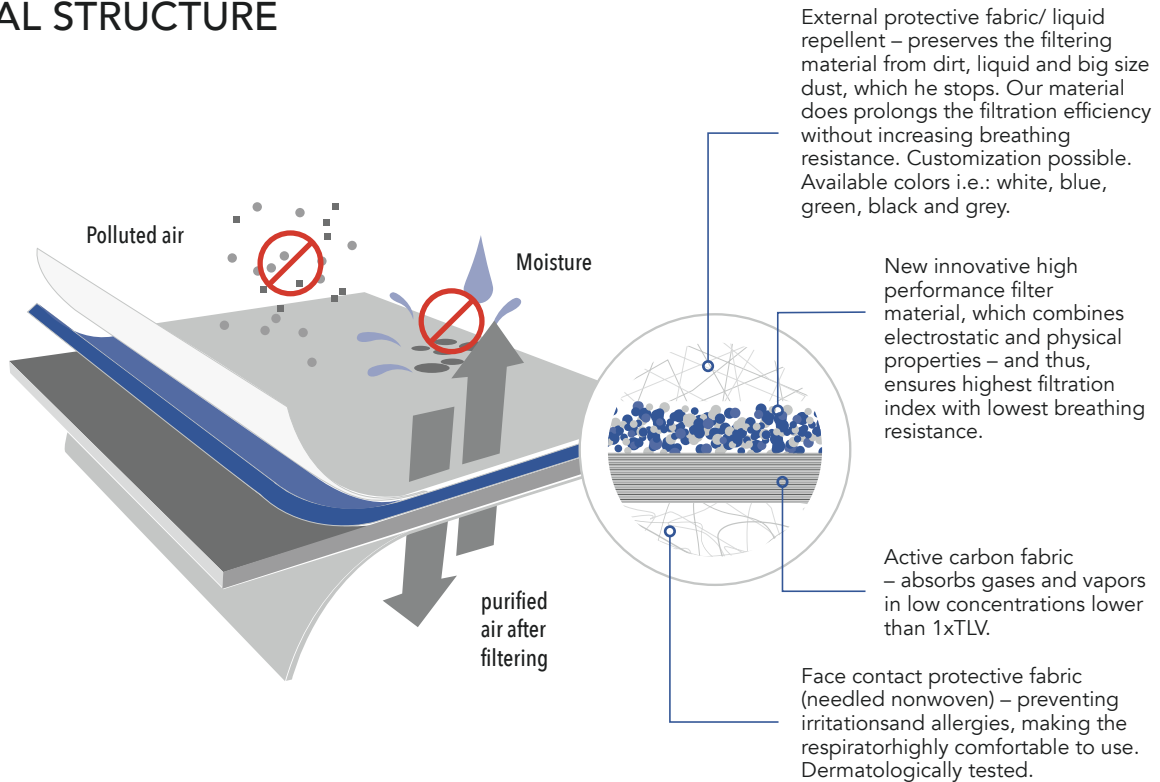
Examples of application: Waste sorting, battery production, painting and interior decorating, wastewater treatment plants, welding.

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.

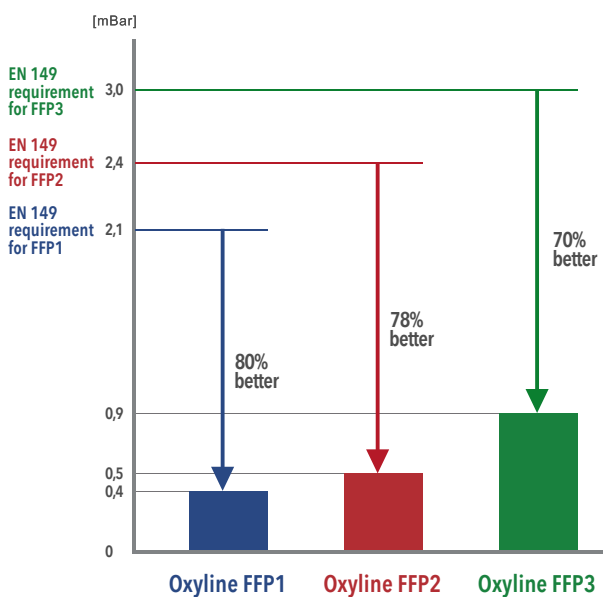


New innovative high performance non-woven filter material, which combines electrostatic and physical properties – and thus, ensures highest filtration index with lowest breathing resistance.

MATERIAL STRUCTURE

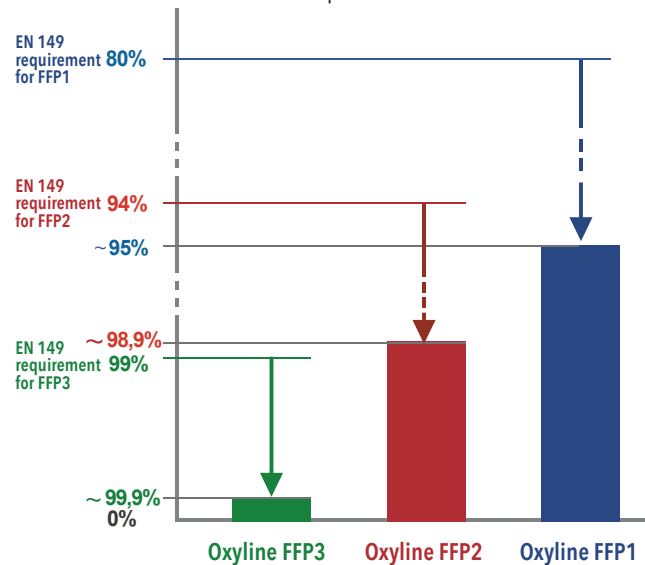


BREATHING RESISTANCE



FILTER PERFORMANCE

Penetration of paraffin oil and sodium chloride



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

* 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**

| Packing | pcs. | Master carton |
|-----------------------|-------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 15-20 | 540-600 |
| Retail color foil | 3 | 300 |



X 100 V **FFP1** R D

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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 10 | 500 |
| Retail color foil | 3 | 300 |



X 110 **FFP1** R D

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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 10 | 360 |
| Retail color 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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 10 | 360 |
| Retail color foil | 3 | 300 |



CLASS FFP2

X 200 **FFP2** R D

- Protection up to **10 x OEL**

| Packing | pcs. | Master carton |
|-----------------------|-------|---------------|
| Standard - industrial | 50 | 800 |
| Retail box | 15-20 | 540-600 |
| Retail color foil | 5 | 300 |



X 210 V **FFP2** R D

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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 10 | 360 |
| Retail color 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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 10 | 360 |
| Retail color 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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 10 | 360 |
| Retail color 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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 10 | 360 |
| Retail color 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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 10 | 360 |
| Retail color 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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 5-10 | 360 |
| Retail color 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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 5-10 | 300-360 |
| Retail color 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



| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 5-10 | 300-360 |
| Retail color 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



| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 5-10 | 300-360 |
| Retail color foil | 3 | 300 |

XS 310 V FFP3 R D

- Protection up to **30 x OEL**
- The Inner sealing insert made of polyurethane, to improve the seal and fit to the face
- Adjustable the length of the head harness straps
- Exhalation valve



| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 10 | 360 |
| Retail color 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



| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 500 |
| Retail box | 5-10 | 300-360 |
| Retail color 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



| Packing | pcs. | Master carton |
|------------|------|---------------|
| Retail box | 10 | 360 |

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 FFP1

XC 110 V **FFP1** R D

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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 400 |
| Retail box | 8 | 288 |
| Retail color 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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 400 |
| Retail box | 8 | 288 |
| Retail color foil | 3 | 300 |



+ ACTIVE CARBON LAYER

CLASS FFP3

XCS 310 V **FFP3** R D

- Protection up to **30 x OEL**
- The Inner sealing insert made of polyurethane, to improve the seal and fit to the face
- Adjustable the length of the head harness straps
- Exhalation valve

| Packing | pcs. | Master carton |
|------------|------|---------------|
| Retail box | 8 | 288 |



+ ACTIVE CARBON LAYER

Filtering half masks flat folded

EN 149:2001+A1:2009



CLASS FFP2

CLASS FFP3

DONALD FFP2 NR D

DONALD V FFP2 NR D

DONALD FFP3 NR D

DONALD V FFP3 NR D



**MEDICAL
DEVICE**

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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 1000 |
| Retail box | 20 | 320 |
| Retail color foil | 3 | 300 |



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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 40 | 800 |
| Retail box | 20 | 320 |
| Retail color foil | 3 | 300 |



**MEDICAL
DEVICE**

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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 50 | 1000 |
| Retail box | 20 | 320 |
| Retail color foil | 3 | 300 |



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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 40 | 800 |
| Retail box | 20 | 320 |
| Retail color foil | 3 | 300 |

CLASS FFP1

CLASS FFP2

CLASS FFP3

XF 110 V FFP1 NR D

XF 210 V FFP2 NR D

XF 310 V FFP3 NR D



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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 40 | 800 |
| Retail box | 12 | 432 |
| Retail color foil | 3 | 300 |



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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 40 | 800 |
| Retail box | 12 | 432 |
| Retail color foil | 3 | 300 |



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

| Packing | pcs. | Master carton |
|-----------------------|------|---------------|
| Standard - industrial | 40 | 800 |
| Retail box | 12 | 432 |
| Retail color foil | 3 | 300 |

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

Filtering half masks flat folded 3 - Panels

EN 149:2001+A1:2009

CLASS FFP2

XR 250 **FFP2** NR



- **Oxyline®** halfmask flat fold 3 - Panels
- **FFP2** - EN 149:2001+A1:2009
- **Medical Product TYPE: II R**
- EN 14683:2019+AC:2009
- Each packaged in foil
- 20 pcs. in box
- 48 boxes in cartoon
- 16 cartoon on pallet
- 15360 on EUR pallet
- Made in Poland

Product code for order:

White color version - **XR250FFP2NR-W**

Black color version - **XR250FFP2NR-B**



CLASS FFP3

XR 350 **FFP3** NR



- **Oxyline®** halfmask flat fold 3 - Panels
- **FFP3** - EN 149:2001+A1:2009
- **Medical Product TYPE: II R**
- EN 14683:2019+AC:2009
- Each packaged in foil
- 20 pcs. in box
- 48 boxes in cartoon
- 16 cartoon on pallet
- 15360 on EUR pallet
- Made in Poland

Product code for order:

White color version - **XR350FFP2NR-W**

Black color version - **XR350FFP2NR-B**



Features of disposable respirators

| Half-mask symbol | Class according to PN-EN 149:2001 +A1:2009 | Medical device to standard 14683:2019 +AC:2019 | Construction of half-mask | | Half-mask accessories | | | | | | | | Utility parameters | | Range of application |
|------------------|--|--|---------------------------|------------------|---------------------------|-------------------|-----------------------------|--------------|------------------|---------------------|---------------------|-------------------------------|--|---|-----------------------------|
| | | | Cup mask | Flat-folded mask | Elastic nose sealing clip | Absorbent sealing | Polyurethane sealing insert | Sealing foam | Exhalation valve | Adjustable headband | Detachable headband | Active carbon filtering layer | 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 |
| X 100 | FFP1 | | • | | • | | | • | | • | | | < 20% | < 210 Pa | 4×OEL |
| X 110 | | | • | | • | | | • | | • | | | | | |
| X 100 V | | | • | | • | | | • | • | • | | | | | |
| X 110 V | | | • | | • | | | • | • | • | | | | | |
| XF 110 V | | | | • | • | | | • | • | • | | | | | |
| XC 100 | | | • | | • | | | • | | • | | • | | | |
| XC 110 | | | • | | • | | | • | | • | | • | | | |
| XC 100 V | | | • | | • | | | • | • | • | | • | | | |
| XC 110 V | | | • | | • | | | • | • | • | | • | | | |
| XR 250 | FFP2 | • | | • | • | | | | | | | | < 6% | < 240 Pa | 10×OEL |
| X 200 | | | • | | • | | | • | | | | | | | |
| X 210 | | • | • | | • | | | • | | • | | | | | |
| X 200 V | | | • | | • | | | • | • | • | | | | | |
| X 210 V | | | • | | • | | | • | • | • | | | | | |
| X 210 SV | | | • | | • | • | | • | • | • | | | | | |
| X 220 SV | | | • | | • | • | | • | • | • | • | | | | |
| XF 210 V | | | | • | • | | | • | • | • | | | | | |
| XC 200 | | | • | | • | | | • | | • | | • | | | |
| XC 210 | | | • | | • | | | • | | • | | • | | | |
| XC 200 V | | | • | | • | | | • | • | • | | • | | | |
| XC 210 V | | | • | | • | | | • | • | • | | • | | | |
| Donald | | • | | • | • | | | • | | • | | | | | |
| Donald V | | | | • | • | | | • | • | • | | | | | |
| XS 310 V | FFP3 | | • | | • | | • | | • | • | | | < 1% | < 300 Pa | 30×OEL |
| XR 350 | | • | | • | • | | | | | | | | | | |
| X 310 | | • | • | | • | | | • | | • | | | | | |
| X 310 SV | | | • | | • | • | | • | • | • | | | | | |
| X 320 SV | | | • | | • | • | | • | • | • | • | | | | |
| XF 310 V | | | | • | • | | | • | • | • | | | | | |
| XCS 310 V | | | • | | • | | | • | • | • | | • | | | |
| Donald | | • | | • | • | | | • | | • | | | | | |
| Donald 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

