






## RESPIRATORS



## Half masks in class FFP1 – 4 x TLV

Product	Photo	Description	Price for 1 piece (half -mask) in EUR	
			Plastic packaging	Cardboard or hang slot packaging
<b>MB 10</b> FFP1 NR D		Basic half mask without valve		
<b>MB 10 V</b> FFP1 NR D		Half mask with exhalation valve		
<b>MB 10 V Comfort</b> FFP1 NR D		Half mask with exhalation valve. <b>Additional nose gasket</b> improves comfort and facilitates tight fitting.		
<b>MB 10 VC</b> FFP1 NR D		Half mask with exhalation valve and <b>layer of activated carbon</b> - provides protection against unpleasant odours.		
<b>MB 10 VC Comfort</b> FFP1 NR D		Half mask with exhalation valve and <b>layer of activated carbon</b> - provides protection against unpleasant odours. <b>Additional nose gasket</b> improves comfort and facilitates tight fitting.		

## Half masks in class FFP1 – 4 x TLV




### Application:

Protection of air passages before non toxic dusts like: calcium carbonate, natural and synthetic graphite, gypsum, chalk, cement, marble, zinc oxide, pollen, cellulose, sulfur, cotton, filings of ferrous metals.






Masks protect also before coal dust with concentration of free silica lower than 10%.

Can be used in industries such as: agricultural, food, wood (processing of soft wood, especially coniferous) glass and ceramic.

### Packaging

Packaging	Product	Pieces per package	Pieces per wholesale cardboard container
Plastic: 	MB 10	20	600
	MB 10 V MB 10 V Comfort	15	450
	MB 10 VC MB 10 VC Comfort	15	450
Cardboard 	MB 10	20	360 or 540
	MB 10V MB 10 VC Comfort	15	270 or 405
	MB 10 VC MB 10 VC Comfort	15	270 or 405
Hang slot 	MB 10	3	150
	MB 10 V MB 10 V Comfort	3	150
	MB 10 VC MB 10 VC Comfort	3	150

## Half masks in class FFP2 – 10 x TLV

Product	Photo	Description	Price for 1 piece (half - mask) in EUR	
			Plastic packaging	Cardboard or hang slot packaging
<b>MB 20</b> FFP2 NR D		Basic half mask without valve		
<b>MB 20 V</b> FFP2 NR D		Half mask with exhalation valve <b>Filtration efficiency against PM1, PM2.5, PM4, PM10</b> (contained in the so-called smog )approved by Central Institute for Labour Protection – National Research Institute (CIOP-PIB)		
<b>MB 20 V Comfort</b> FFP2 NR D		Half mask with exhalation valve <b>Filtration efficiency against PM1, PM2.5, PM4, PM10</b> (contained in the so-called smog )approved by Central Institute for Labour Protection – National Research Institute (CIOP-PIB). <b>Additional nose gasket</b> improves comfort and facilitates tight fitting.		
<b>MB 20 VC</b> FFP2 NR D		Half mask with exhalation valve and <b>layer of activated carbon - provides protection against unpleasant odours</b>		
<b>MB 20 VC Comfort</b> FFP2 NR D		Half mask with exhalation valve and <b>layer of activated carbon - provides protection against unpleasant odours. Additional nose gasket</b> improves comfort and facilitates tight fitting.		

## Half masks in class FFP2 – 10 x TLV




### Application:

Protection of air passages before medium toxic solid particles. Those products can be used in industries such as : mining, iron and steel(version with exhaust valve ) and chemical.



Masks can be use during : processing of hard wood, machining aluminum and its alloys, processing of metals ore and powder coating.

Protection before dusts like : coal ( containing above 10% of free silica), asbestos, copper, barium, titanium, vanadium, chromium, manganese.

### Packaging

Packaging	Product	Pieces per package	Pieces per wholesale cardboard container
Plastic: 	MB 20	20	600
	MB 20 V MB 20 V Comfort	15	450
	MB 20 VC MB 20 VC Comfort	15	450
Cardboard 	MB 20	20	360 or 540
	MB 20V MB 20V Comfort	15	270 or 405
	MB 20 VC MB 20 VC Comfort	15	270 or 405
Hang slot 	MB 20	3	150
	MB 20 V MB 20V Comfort	3	150
	MB 20 VC MB 20 VC Comfort	3	150

## Half masks in class FFP3 – 20 x TLV

Product	description	Price for 1 piece (half -mask) in EUR	
		Plastic packaging	Cardboard or hang slot packaging
<b>MB 30 V FFP3 NR D</b> 	Highly effective half mask with exhalation valve  <b>Mask is equipped with face gasket made of foam</b> , which improves the filtration efficiency and comfort		
<b>MB 30 VC FFP3 NR D</b> 	Highly effective half mask with exhalation valve <b>layer of activated carbon - provides protection against unpleasant odours</b>  <b>Mask is equipped with face gasket made of foam</b>		




### Application:

Respiratory protection before high concentration of respirable dusts.

Protect before : smokes of metals oxides( zinc, lead, arsenic, vanadium, silver), chromate dust mist, radioactive particles, dusts and mists of pharmaceutical raw materials, dusts containing : beryllium, antimony, cadmium, cobalt, nickel and radium.

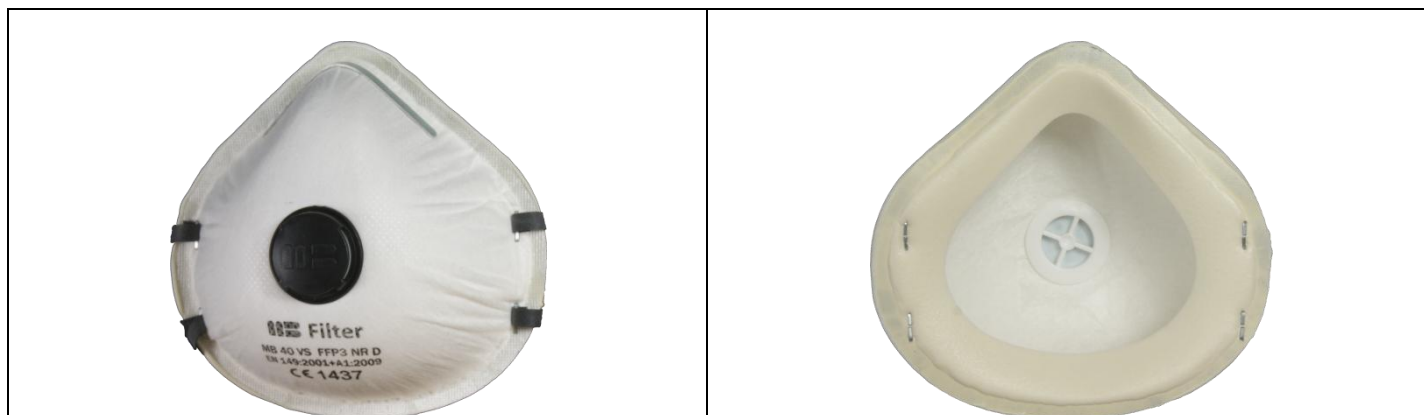
Masks can be used during welding and brazing.

### Packaging

Packaging	Product	Pieces per package	Pieces per wholesale cardboard container
Foliowe: 	MB 30 V	10	300
	MB 30 VC	10	300
Kartonik 	MB 30 V	10	180 lub 270
	MB 30 VC	10	180 lub 270
Zawieszka 	MB 30 V	3	150
	MB 30 VC	3	150

# MB 40 VS FFP3 NR D "anti-smog" protective half mask

Certified **FFP3** particle filtering half mask providing successful protection **against PM1, PM2.5, PM4 and PM10** dust contained in the so-called smog. Tested according to EN 149, EN149:2001+A1:2009, and CE-certified



## Average filtration efficiency:

**PM1 - 98,80%**  
**PM2.5 - 98,86%**

**PM4 - 98,89%**  
**PM10 - 98,89%**

## Application:

The half mask protects the respiratory system against smog, which is emitted primarily by inefficient coal combustion and diesel and petrol exhaust. Protection against dust containing: beryllium, antimony, cadmium, cobalt, nickel, radium, strychnine, pharmaceutical dust and mist, radioactive particles, **bacteria and most viruses**. The half mask is perfect for everyday use – it is light, easy to fit and does not cause irritation during prolonged use.

## Advantages:

- It may also be used by children because the additional seal guarantees tight adherence of the mask regardless of the shape and size of the face.
- The exhalation valve reduces carbon dioxide concentration and moisture inside the facepiece
- Valve with ultra thin membrane effectively reduces exhalation resistance

## Caution!

Most of the “anti-smog” half masks offered by the competition are hygiene masks. They are not special-purpose masks, they do not conform to the standards for filtration efficiency, and, consequently, they frequently do not guarantee protection against the hazard.

## Packaging

Packaging	Product	Pieces per package	Pieces per wholesale cardboard container	Price for 1 piece (half - mask) in EUR
Plastic:	MB 40 VS	10	300	
Cardboard	MB 40 VS	10	180 lub 270	
Hang slot	MB 40 VS	3	120	