

purifying our planet

Protection classes

Particle filters are divided into three protection classes: P1, P2 and P3. This classification depends on the maximum exceedance of the occupational exposure limit (OEL). The P3 half mask from Hengst is suitable for filtering dust, smoke and aerosols from the air that exceed the permissible OEL by up to 30 times.

Application areas

The P3 half mask from Hengst should be worn during activities involving harmful and carcinogenic oil- and water-based dusts, biological agents in risk groups 2 and 3 or CMR substances. These occur with:

- **Grinding, cutting, drilling:** Hardwood, chromates and lead-based paints, anti-fouling paints, high-alloy steel / stainless steel
- **Asbestos work** (up to 100,000 fibers / m³)
- **Waste sorting**
- **Power plant work**
- **Working with pesticides** (aqueous solutions)
- **Handling viruses, diesel soot / smoke**
- **Handling brake dust**

Of course, the Hengst HM10L-P3 half mask can also be worn for activities with lower particle exposures:

- **Grinding, cutting, drilling:** Cement, masonry, concrete, wood, paints, varnishes, rust protection, stone, steel rust, priming material / filler, iron
- **Welding:** structural steel, zinc
- **Soldering**
- **Asbestos work** (small scale)
- **Glass mineral fiber processing**
- **Working with coolant mist**
- **Dust or pollen allergies**
- **Dealing with mold, fungal spores, bacteria**

Your advantages

High-quality materials

- Made of hypoallergenic thermoplastic elastomer (TPE)
- Odorless
- Latex & silicone free
- Suitable for sensitive skin
- Wearable up to 8 hours

Ergonomic & low-profile design

- Lightweight mask body ensures high comfort for the wearer
- Double filter system minimizes breathing resistance
- Compact form for an unrestricted view
- Can be used under welding masks or face shields

One-piece head and neck strap

- Elastic straps for excellent and secure fit
- Easy adjustment to the shape of the head ensures a secure seal



P1

4 times

OEL

Half mask from Hengst

HM10L-P3

30 times OEL

OEL

P2

10 times OEL



- 1. quick release strap
- 2. anti-allergy mask
- 3. exhalation valve
- 4. leak test port
- 5. replaceable filters
- 6. pre-filter
- 7. grille fins
- 8. grille guard

P3 replacement filter - with standard medium



- Set of two replacement filters
- Highest filtration efficiency - 99.99% of airborne particles up to 0.3 microns are filtered out
- Filter material ensures low breathing resistance
- Long service life of the filter element

P3 replacement filter - with activated carbon medium

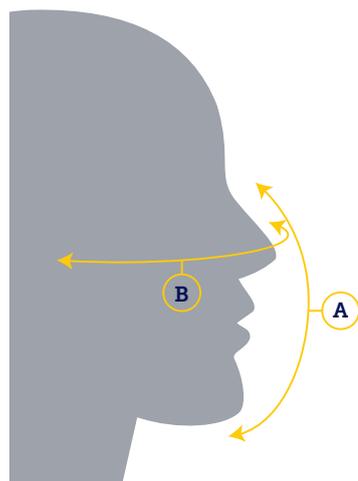


- Set of two activated carbon replacement filters additionally keeps away unwanted odors
- Highest filtration efficiency - 99.99% of airborne particles up to 0.3 microns are filtered out
- Filter material ensures low breathing resistance
- Long service life of the filter element

PortaCount - Adapter S10L



The adapter allows fit testing with a PortaCount device. The test evaluates the seal between the respirator and the face, identifies leaks, and shows whether a mask provides the necessary protection. Here, the number of particles in the atmosphere is measured in comparison to the number of particles in the mask.



Size Chart				
Face length (A) (bridge of nose to chin)	128,5 mm – 138,5 mm	M/L	M/L	M/L
	118,5 mm – 128,5 mm	S/M	M/L	M/L
	108,5 mm – 118,5 mm	S/M	S/M	M/L
	98,5 mm – 108,5 mm	S/M	S/M	S/M
	120,5 mm – 133 mm	133 mm – 146 mm	146 mm – 158,5 mm	
Face width (B) (between the cheekbones)				

Technical specifications	
Body of the P3 half mask	TPE medical grade: latex & silicone free
Mask strap	Nylon-polyester
Mask valve and fittings	Silicone/nylon
Strap buckles	Nylon
Packaging	100% recyclable paper
Weight	147 g
Allocated protection factor	EN140:1998 und EN143:2000
Meets the following standards	APF20
Shelf life	5 years
Certificate	BSI CE2797

Product and accessories	Type	EDV-No.	Quantity
P3 half mask size S/M	HM10L-P3	161 300 000	1 piece
	P3 half mask size M/L	HM10L-P3	162 300 000
Replacement filter	EM10L-P3	11080 310 000	1 pair
Nuisance odour filter	EM10LC-P3	11081 310 000	1 pair
PortaCount-adaptor	S10L	163 300 365	5 pieces