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• **APP AIR Plus A1+P2 R**
Painting half-mask (set)

The modern APP Air Plus A1+P2 R half-mask was designed for difficult working conditions in the presence of hazardous substance dust, aerosol and vapors. The face section of the APP Air Plus A1+P2 R half-mask is made out of a high quality combination of thermoplastic elastomer (TPE) and polypropylene (PP). Thanks to a specially designed shape of the face section it ideally fits with different types of faces. A specially constructed head band distribution system eliminates unpleasant pressure points, ensuring comfort and convenience of use, especially in cases of long-term use of the half-mask.

The half-mask is available in one universal size and has been equipped with a very quick and easy absorber fastening system, which ensures a wide field of vision for the user.



APP no.	Product name	Size	Package
090750	APP AIR Plus A1+P2 R Painting half-mask (set)	universal	1 set



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INTENDED FOR USE:

- in the automotive industry,
- in the chemical and lumber industry,
- during household appliance manufacture,
- in the aviation industry,
- during manufacture of machines, marble processing and welding works,
- during any works involving gasses and vapors, mists and dust requiring A1+P2 R level protection

PRIMARY ADVANTAGES OF THE HALF-MASK:

The face section is made out of a soft elastomer and ensures a high level of tightness and user comfort, as well as adaptability to any face size and shape.

A wide field of vision is ensured by a special construction of the face section, placement of fastenings and adjustments of head bands, as well as placement of combined filters.

High comfort and reliability of use is ensured by broad, ergonomic and durable fastenings.

The silicone valves ensure appropriate tightness and possibility to work in a wide range of temperatures and decreased breathing resistance.

Replaceable, multiple use A1 absorbers and P2 R flat filters – stable fastening.

Simple, quick, bayonet fastening system for the A1 carbon combined filters.

Extended utility time of the A1 absorbers (even up to 90 hours) thanks to an increased activated carbon content by over 50%.

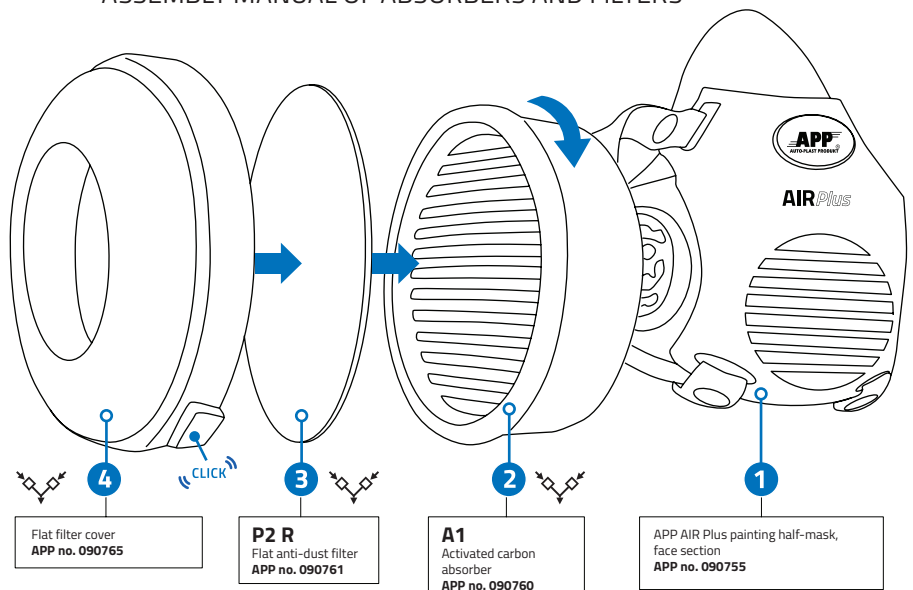
High comfort of use thanks to a low weight of the face section – only 94 g.

APPLICATION OF THE HALF-MASK:

After assembly with the A1 absorbers and P2 R filters, the half-mask is intended for protecting the respiratory system against organic gasses and vapors of organic substances with a boiling temperature >65°C and aerosols of solid and liquid particles.



ASSEMBLY MANUAL OF ABSORBERS AND FILTERS



No.	090750	APP AIR Plus A1+P2 R	Painting half-mask	Set
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Products included in the set:

1	090755	APP AIR Plus	Painting half-mask – face section (unit package 1 pc.)	1 pc.
2	090760	APP AIR Plus A1	Activated carbon absorber (unit package 2 pcs.)	2 pcs.
3	090761	APP AIR Plus P2 R	Flat anti-dust filter (unit package 8pcs.)	2 pcs.
4	090765	APP AIR Plus	Flat filter cover (unit package 2 pcs.)	2 pcs.



AIRPlus

AIRPlus P2
EN 143:2000+A1:20
CE 0426

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Comparison of the APP AIR Plus A1+P2 R half-mask with the 3M Series 6000 and Secura half-masks.



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Product technical parameters	APP AIR Plus A1+P2 R	3M seria 6000	Secura 2000 LAK
Available with absorbers and flat filters included	YES	NO	YES
Available sizes	Universal	M, L, XL	S/M, M/L
Multiple use	YES	YES	YES
Material	Elastomer + Polypropylene	Elastomer + Polypropylene	Neoprene + Polypropylene or Silicone + Polypropylene
Adjustable head bands	YES	YES	YES
Replaceable absorbers and flat anti-dust filters	YES	YES	YES
Number of absorbers and flat filters	2+2+2 (included)	2+2+2 (not included)	2+2+2 (included additional 10 pcs. of flat filters)
Weight of activated carbon in 2 absorbers *	147 g	93 g	98 g
Absorber fastening system	Bayonet APP	Bayonet 3M	Bayonet Secura
Face section weight	94 g	82 g	120 g (size M/L, Silicone + Polypropylene)
Total weight	357 g	275 g	308 g

* Over 50% higher content of activated carbon in A1 absorbers ensures better absorbability of aerosols and hazardous substance vapors, as well as over 50% longer utility time of absorbers (even up to 90 hours) compared to the above products.

The APP Air Plus A1+P2 R half-mask is classified as Class III personal protection equipment. It has undergone European certification in accordance with directive 89/686/CEE as further amended, executed by a certification entity which is the notified entity no. 0426 **ITALCERT** V.le Sarca 336, Milan, Italy and the notified entity no. 0121 **IFA** Alte Heerstraße 111, 53757 Sankt Augustin, Germany.

LIMITATIONS IN TERMS OF APPLICATION

Do not use the APP AIR Plus A1 + P2 R:

1. In an atmosphere where the percentage concentration of oxygen is below 17%.
2. To protect against odorless gasses and vapors.
3. In enclosed interiors.
4. To protect against carbon monoxide (CO) or natural gas.
5. If the toxic factor is unknown.
6. In an atmosphere, where the concentrations of hazardous gases are lower than specified, but their presence creates highly dangerous conditions to life or health of the operator.
7. In an atmosphere with an excessive oxygen content, as the risk of fire occurs at a concentration of 25%, becomes high at 28% and very high at a level of 35% or higher.
8. In case of use in environments exposed to asbestos and radioactive isotopes it is recommended to replace filters after every use.








89/686/CEE
EN-140:1998
EN 14387:2004 A1
EN 143:2000 P2 R



The APP Air Plus A1 Gas filters and activated carbon absorbers (090760) meet the requirements of the EN 14387:2004+A1:2008 norm.

The APP AirPlus P2 R flat anti-dust filters (090761) meet the requirements of the EN 143+A1:2006 norm.

	WHITE Protection against particles
	BROWN Protection against organic vapors
	GREY Protection against non-organic gasses
	YELLOW Protection against acidic gasses
	GREEN Ammonia and derivatives

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Recommended protection class of half-masks and full masks in relation to the application and hazards present

Application	Hazard	Recommended protection class
Painting, spraying, lacquering, coating application	Solvent based paints	A2P3 R
	Spraying/grinding of anti-fouling paints	A2P3 R
	Water-soluble paints	A1P2 R
	Solvents, resins, synthetic resins	A2P3 R
	Latex paints, sediment solvents	A2P3 R
	Wood maintenance compounds	A1P2 R
Maintenance	Disinfection, cleaning *	ABEKP2 R
Decorating	Sprayed glue, foam, lacquer, adhesive	A1P2 R
Waste disposal	Bacteria, spores, odors	A1P2 R
Farming	Pesticides, insecticides	ABEK1P2 R
Wood impregnation	Bonding, sprayed glue	A2P3 R
Construction, grinding, cutting, drilling	Tarring	A2P3 R
	Clamping, sealing	A1P2 R
	Insulation foam spraying	A1P2 R
Coating	Organic solvents / boiling point below 65°C	AXP3 R
	Ammonia-based paint remover	ABEK
	Polyurethane coatings	ABEP3 R
	Solvent-based lacquers	A2
	Water-based lacquers	A1
Contact with materials	Glues containing solvents	A1
	Sulfur dioxide	ABE
	Hydrogen chloride	ABE
	Manure	ABEK
	Ammonia	K
	Formaldehyde	A1 + form
	Stockpiling and transport of hazardous materials	ABEKP3 R

Warning:

This guide is only referential in nature and should not be used as the only criterion for selecting a half-mask or mask. Details regarding the safety level and limitations are provided on the package and in the product instructions. Prior to use of the half-mask or mask the person who will be wearing it must read and understand the operating instructions for each of the products. It is also necessary to follow legal regulations applicable in each country.

Application limitations of half-masks or masks protecting against gasses and vapors:
Half-masks should be used up to a maximum of 50 x MPC.
Full masks should be used up to a maximum of 200 x MPC (depending on the filter).

Class 1 absorbers up to 10 x MPC or 1000 ml/m³ (0,1 % vol.), class 2 absorbers up to 10 x MPC or 5000 ml/m³ (0,5 % vol.), depending on which limit is reached first.
AX absorbers for low boiling temperature substances (organic substances with a boiling point below 65°C). A1 and A2 Absorbers for organic vapors with a boiling point above 65°C.

MPC – Maximum Permitted Concentration.

* With the exception of formaldehyde

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