

COMBINED FILTERS

Personal protection

Combined filters, together with the appropriate half-mask or full face mask, intended for protection of the respiratory organs against harmful effects of toxic gases, vapours and particles. The filter is used in different branches of industry: chemical industry, pharmaceutical industry, textile industry, food industry, in mining, etc. The filter connector is according to the EN 148-1. The quality of the filter is in accordance with the SRPS EN 14387 and the SRPS EN 143.

TECHNICAL DATA:

Depending on the gas, there are several types of combined filters:

- A2P3 R - organic gases and vapours whose boiling point is higher than 65°C,
- B2P3 R- inorganic gases and vapours (Cl₂, HCN, H₂S),
- E2P3 R- inorganic gases and vapours (SO₂),
- K2P3 R- NH₃ and its derivatives and combinations of several types of protection A2B2P3 R, B2E2P3R, A2B2E2K2P3 R.



Table: **Quality requirements for the filter according to standards EN 14387:2004 + A1:2008 and EN 143:2000 + A1:2006**

Types of filters	Max. weight	Breathing resistance (mbar)		Permeability (%)		Capacity GAS (minute)
		30 l/min	95 l/min	NaCl (95 l/min)	Parafine fog (95 l/min)	
250 A2P3 R	300	max 2,6	max 9,8	max 0,05%	max 0,05%	C6H12 min. 35
250 B2P3 R	300	max 2,6	max 9,8	max 0,05%	max 0,05%	H ₂ S min. 40 Cl ₂ min. 20 HCN min. 25
250 E2P3 R	300	max 2,6	max 9,8	max 0,05%	max 0,05%	SO ₂ min. 20
250 K2P3 R	300	max 2,6	max 9,8	max 0,05%	max 0,05%	NH ₃ min. 40
250 A2B2P3 R	300	max 2,6	max 9,8	max 0,05%	max 0,05%	C6H12 min. 35 H ₂ S min. 40 Cl ₂ min. 20 HCN min. 25
250 B2E2P3 R	300	max 2,6	max 9,8	max 0,05%	max 0,05%	H ₂ S min. 40 Cl ₂ min. 20 HCN min. 25 SO ₂ min. 20
400 A2B2E2K2P3 R	500	max 2,6	max 9,8	max 0,05%	max 0,05%	C6H12 min. 35 H ₂ S min. 40 HCN min. 25 SO ₂ min. 20 NH ₃ min. 40 Cl ₂ min. 20

NOTE: The following quality requirements apply in laboratory tests under standard conditions.

