

GAS FILTERS

Personal protection

Gas filters, together with the appropriate half-mask or full face mask, are intended for protection of the respiratory organs against harmful effects of toxic gases. 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 EN 148-1. The quality of the filter is in accordance with SRPS EN 14387.

TECHNICAL DATA:

Depending on the gas, there are several types:

- A2 - organic gases and vapours with boiling point higher than 65
- B2- inorganic gases and vapours (Cl₂, HCN, H₂S),
- E2- inorganic gases and vapours (SO₂),
- K2- NH₃ and its derivatives and
- A2B2, B2E2, A2B2E2K2 - combinations of several types of protection



Table: Quality requirements for the filter according to EN14387:2004 +A1:2008 a

Type of filters	Max. weight	Breathing resistance (mbar)		Capacity GAS (minute)
		30 l/min	95 l/m in	
250 A2	300	max 1,4	max 5,6	C6H12 min. 35
250 B2	300	max 1,4	max 5,6	H ₂ S min. 40 Cl ₂ min. 20 HCN min. 25
250 E2	300	max 1,4	max 5,6	SO ₂ min. 20
250 2K	300	max 1,4	max 5,6	NH ₃ min. 40
250 A2B2	300	max 1,4	max 5,6	C6H12 min. 35 H ₂ S min. 40 Cl ₂ min. 20 HCN min. 25
250 B2E2	300	max 1,4	max 5,6	H ₂ S min. 40 Cl ₂ min. 20 HCN min. 25 SO ₂ min. 20 f
400 A2B2E2K2	500	max 1,4	max 5,6	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.

