

# AVES®

## STANDARD CONNECTION FILTER 425 ABEK2P3 R Article No: 37158AV320

The AV-425 ABEK2P3 R filter is an anti gas and anti particles filter that protects against contaminant gases and airborne dusts. AV-425 ABEK2P3 R filter is equipped with a standard threaded connection conforming to EN 148 1 standard and it's possible to use it on full face masks only.



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CONNECTION

### PROTECTION

Exposure limit for AV-425 ABEK2P3 R filter:  
with half mask: for gas and vapours 30\* x TLV or 5000 ppm considering as limit the lower value; for particles 30\* x TLV.

with full face mask: for gas and vapours 400\* x TLV or 5000 ppm considering as limit the lower value; for particles 400\* x TLV.

\* = APF as specified in EN 529:2005 standard

### APPLICATION

AV-425 ABEK2P3 R filter protects against organic compounds with a boiling point above 65°C, inorganic and acid gases and vapours as well as ammonia and organic ammonia derivatives and solid and liquid hazardous particles, and it can be used in the presence of substances as solvents, hydrochloric acid, chlorine, ammonia, sulphur dioxide, etc.

It is classified in terms of capacity as a class 2 gas filter (medium capacity filter) and in terms of filtering efficiency as class P3 particle filter (high efficiency filter).

### MATERIALS

AV-425 ABEK2P3 R is made of:

- Filter case: ABS
  - Gas filtering component: activated carbon ABEK type
  - Particle filtering component: pleated part in glass fibre
- Height (thread excluded): 82 mm  
Diameter: 100 mm  
Weight: 337±10 g

### TECHNICAL SPECIFICATIONS

Test according to EN 14387:2004		ABEK2P3 R	314
Minimum breakthrough time (min)	Cyclohexane C6H12 (5000 ppm)	> 35	46
	Chlorine Cl2 (5000 ppm)	> 20	38
	Hydrogen Sulphide H2S (5000 ppm)	> 40	79
	Hydrogen Cyanide HCN (5000 ppm)	> 25	43
	Sulphur Dioxide SO2 (5000 ppm)	> 20	23
	Ammonia NH3 (5000 ppm)	> 40	55
Filter penetration (% paraffin oil)	After 63 min	< 0,05	0,0005
	After 63 min	< 0,05	0,001
	After storage	< 0,05	0,001
Breathing resistance (mbar)	inhal. 30 l/min	< 2,6	2,4
	inhal. 95 l/min	< 9,8	8,6

TYPE	COLOUR	PROTECTION
A	BROWN	Organic gases and vapours with a boiling point higher than 65°C
B	GREY	Inorganic gases and vapours
E	YELLOW	Acid gases
K	GREEN	Ammonia and derivatives
AX	BROWN	Organic gases and vapours with a boiling point lower than 65°C
P	WHITE	Particles, dust and mist



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