

# Advantage ABEK Chemical Filter

Technical Datasheet



Description					
Name	Advantage ABEK				
Part Number	10216151				
Marking according to EN	A1, B1, E1, K1				
Conditions of use	<ul style="list-style-type: none"> <li>• organic gases and vapors with a boiling point &gt; 65° C</li> <li>• inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide</li> <li>• sulfur dioxide, hydrogen chloride and other acid gases</li> <li>• ammonia and organic ammonia derivatives"</li> </ul>				
Colour codes	<table border="1"> <tr> <td>Brown</td> <td>Grey</td> </tr> <tr> <td>Yellow</td> <td>Green</td> </tr> </table>	Brown	Grey	Yellow	Green
Brown	Grey				
Yellow	Green				



Single filter characteristics	
Weight [g]	Approx. 135
Diameter [mm]	114 x 93
Height incl. thread [mm]	43
Connection	gas filter with bayonet for paired use

Breathing Resistance		
	EN 14387 requirements	Filter Typical values
at 15 l/min *	max. 100 Pa	45 Pa
at 47,5 l/min *	max. 400 Pa	180 Pa

Concentration of testing gases - EN 14387	
Class 1	1000 ppm [0,1 Vol.-%]

Performances			
Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A1	cyclohexane [C6H12]	70 min	140 min
B1	chlorine [Cl2]	20 min	30 min
	hydrogen sulfide [H2S]	40 min	100 min
	hydrocyanic acid [HCN]	25 min	35 min
E1	sulfur dioxide [SO2]	20 min	30 min
K1	ammonia [NH3]	50 min	60 min

Material	
Housing	plastic
Cover (particle filter)	plastic
Filtering material	impregnated activated carbon

Details/Special Information			
Storage conditions & time	hermetically closed protective plastic bag	- 5 °C to + 50°C, < 80 % r. h.	5,0 years

The respirator should not be stored together with toxic or harmful substances or with materials emitting unpleasant smell or acting aggressively with the elements of the mask. Filters should be stored only in the original package.

\* Note: Test flow condition of EN 14387  
 When one filter of a multiple filter device is tested separately, the air flow specified for a test shall be divided by the number of filters through which the air flow is proportioned. 30 l/min : 2 filters = 15 l/min per filter 95 l/min : 2 filters = 47,5 l/min per filter  
 The applicable performance requirements must be carried out at halved volume flow.