

# 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.

# Advantage ABEK-P3 Combination Filter

Technical Datasheet



Description	
Name	Advantage ABEK-P3
Part Number	10216152
Marking according to EN	A1, B1, E1, K1, P3 R
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> <li>• against non-volatile liquid and solid particles</li> </ul>
Colour codes	Brown Grey
	Yellow Green
	White



Single filter characteristics	
Weight [g]	Approx. 148
Diameter [mm]	114 x 93
Height incl. thread [mm]	58
Connection	combination filter with bayonet for paired use

Breathing Resistance		
	EN 14387 requirements	Filter Typical values
at 15 l/min *	max. 220 Pa	125 Pa
at 47,5 l/min *	max. 820 Pa	460 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
	chlorine [Cl2]	20 min	30 min
B1	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]	50min	60 min
Filter type and class	Particles of reference	EN 143 requirements	Typical values
P3	Paraffin oil	max. 0,05%	< 0,004%
R	Reusable according EN 143:2000/A1:2006		

Material	
Housing	plastic
Cover (particle filter)	plastic
Filtering material	fiber glass paper /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.		

# Advantage P3 Particle Filter

Technical Datasheet



Description	
Name	Advantage P3
Part Number	10216153
Marking according to EN	P3 R
Conditions of use	•against non-volatile liquid and solid particles
Colour codes	White



Characteristics	
Weight [g]	13,5
Diameter [mm]	111 x 91
Height incl. thread [mm]	18
Connection	particle filter with bayonet for paired use

Breathing Resistance		
	EN 14387 requirements	Filter Typical values
at 15 l/min *	max.120 Pa	80 Pa
at 47,5 l/min *	max.420 Pa	280 Pa

Performances			
Filter type and class	Particles of reference	EN 143 requirements	Typical values
P3	Paraffin oil	max. 0,05%	< 0,004%
R	Reusable according EN 143:2000/A1:2006		

Material	
Housing	fiber glass paper
Cover (particle filter)	fiber glass paper
Filtering material	fiber glass paper

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 filter95 l/min : 2 filters = 47,5 l/min per filterThe applicable performance requirements must be carried out at halved volume flow.		