Advantage ABEK Chemical Filter

Technical Datasheet

The Safety Company

Description			
Name	Advantage ABEK		
Part Number	10216151		
Marking according to EN	A1, B1, E1, K1		
Conditions of use	• organic gases and vapors with a boiling point > 65° C • inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide • sulfur dioxide, hydrogen chloride and other acid gases • ammonia and organic ammonia derivatives“		
Colour codes	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 filterThe applicable performance requirements must be carried out at halved volume flow.		