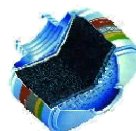


Technical Data Sheet		MSA The Safety Company	
Description			
Description	90 ABEK		
Part Number	10098114		
Marking according to EN	A2, B2, E2, K1		
Conditions of use	- organic gases and vapors with a boiling point > 65° C - inorganic gases and vapors, e.g. chlorine, hydrogen sulfide, hydrogen cyanide - sulfur dioxide, hydrogen chloride and other acid gases - ammonia and organic ammonia derivatives		
Colour code			
label			
Characteristics			
Weight [g]	255		
Diameter [mm]	107		
Height incl. thread [mm]	70		
Connection	EN 148 - 1		
Breathing Resistance			
	at	EN 14387 requirements	Typical values
	30 l / min	1,40 mbar	1,0 mbar
	95 l / min	5,60 mbar	4,20 mbar
Concentration of Testing Gases			
Class 1	1000 ppm [0,1 Vol.-%]		
Class 2	5000 ppm [0,5 Vol.-%]		
Performances			
Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A2	cyclohexane [C ₆ H ₁₂]	35 min	55 min
B2	chlorine [Cl ₂]	20 min	45 min
	hydrogen sulfide [H ₂ S]	40 min	70 min
	hydrocyanic acid [HCN]	25 min	45 min
E2	sulfur dioxide [SO ₂]	20 min	25 min
K1	ammonia [NH ₃]	50 min	90 min
Material			
Housing	aluminium		
Filtering material	impregnated activated carbon		
Details/Special Information			
Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h. 6,0 years		