Technical Data Sheet

MSA The Safety Company

Description

Description	93 Reaktor B/St
Part Number	10115318
Marking according to EN	A2, B2, E1 - P3
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 • radioactive methyl iodide and radioactive particles
Colour codes	orange brown grey yellow white





Labels



Characteristics

Weight [g]	285
Diameter [mm]	107
Height incl. thread [mm]	78
Connection	EN 148 - 1

Breathing Resistance

	at	EN 14387 requirements	Typical values
	30 l / min	2,6 mbar	1,70 mbar
	95 l / min	9,8 mbar	6,50 mbar

Concentration of test gases

- EN 14387

Class 2	5000 ppm [0,5 Vol.-%]
Class1	1000 ppm [0,5 Vol.-%]

DIN 58621-Reaktor

		DIN 58621-Reactor requirements	Typical values
radioactive methyliodide		filtration efficiency: 99,9 %.	> 99,9999 %

Performances

Filter type and class	Gases of reference	EN 14387 requirements	Typical values
A2	cyclohexane [C_6H_{12}]	35 min	60 min
B2	chlorine [Cl_2]	20 min	50 min
	hydrogen sulfide [H_2S]	40 min	60 min
	hydrocyanic acid [HCN]	25 min	50 min
E1	sulfur dioxide [SO_2]	20 min	> 60 min
Filter type and class	Particles of reference	EN 143 requirements	Typical values
P3	sodium chloride [NaCl]	0,05%	> 0,01%
	paraffin oil	0,05%	> 0,01%
R	Reusable according EN 143:2000/A1:2006		
D	Dolomite clogging test & marking according to EN 143:2000/A1:2006 and EN 14387:2008		

Material

Housing	aluminium		
Cover (particle filter)	polypropylene		
Filtering material	filtering paper / impregnated activated carbon		

Details/Special Information

Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h.	6,0 years