MSR1

Technical Datasheet

Description			
Name	MSR 1		
Part Number	D2264700		
Marking according to	ABEK-15 DIN 58647.7		
Conditions of use	• 15 min escape device, specially designed for self rescue in case of sudden and unexpected outbreaks of toxic gases or vapours at the workplace.		
Labels			

Characteristics			
Weight, in carrying container [g]	440		
Weight, ready for use [g]	310		
Dimensions HxBxD [mm]	160 x 96 x 78		
Connection	half mask with integrated filter		
Breathing Resistance			
	At	DIN 58647.7 requirements	Typical values
Inhalation resistance approx	95 l / min	8 mbar	4,4 mbar
Exhalation resistance approx.	95 l / min	5 mbar	1,0 mbar
Concentration of Testing Gases			
C6H12 [Cyclohexane]	2500 ml/m3 [0,25 Vol.-%]		
Cl2 [Chlorine]	2500 ml/m3 [0,25 Vol.-%]		
H2S [Hydrogen sulfide]	2500 ml/m3 [0,25 Vol.-%]		
HCN [Hydrogen cyanide]	2500 ml/m3 [0,25 Vol.-%]		
SO2 [Sulfur dioxide]	2500 ml/m3 [0,25 Vol.-%]		
NH3 [Ammonia]	2500 ml/m3 [0,25 Vol.-%]		
H2S [Hydrogen sulfide]	10000 ml/m3 [1,0 Vol.-%]		
Performances			
Performance against gases	Gases of reference	DIN 58647.7 requirements	Typical values
	Cyclohexane (C6H12)	15 min	60 min
	Chlorine (Cl2)	15 min	52 min
	Hydrogen sulfide (H2S)	15 min	65 min
	Hydrogen cyanide (HCN)	15 min	55 min
	Sulfur dioxide (SO2)	15 min	32 min
	Ammonia (NH3)	15 min	40 min
	Hydrogen sulfide (H2S) [1,0 Vol.-%]	5 min	16 min
Material			
Nose cup	NR natural rubber, black		
Head harness	rubber strap		
Filter housing	Aluminium		
Filtering material	Impregnated activated carbon		
Details/Special Information			
Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h.	4,0 years	

These values must not be applied as basis for the performance times, they are exclusively an indication that the MSR1 protects against these gases, but only within the DIN 58647-T7.
The minimum service time is 15 minutes, depending on conditions.
The storage life is factory sealed 4 years.

MSR2

Technical Datasheet

Description			
Name	MSR 2		
Part Number	D2264701		
Marking according to	ABEK P-15 - DIN 58647.7		
Conditions of use	• 15 min escape device, specially designed for self rescue in case of sudden and unexpected outbreaks of toxic gases or vapours at the workplace.		
Labels			

Characteristics			
Weight, in carrying container [g]	450		
Weight, ready for use [g]	330		
Dimensions HxBxD [mm]	160 x 96 x 84		
Connection	half mask with integrated filter		
Breathing Resistance			
	At	DIN 58647.7 requirements	Typical values
Inhalation resistance approx	95 l / min	8 mbar	6,0 mbar
Exhalation resistance approx.	95 l / min	5 mbar	1,0 mbar
Concentration of Testing Gases			
C6H12 [Cyclohexane]	2500 ml/m3 [0,25 Vol.-%]		
Cl2 [Chlorine]	2500 ml/m3 [0,25 Vol.-%]		
H2S [Hydrogen sulfide]	2500 ml/m3 [0,25 Vol.-%]		
HCN [Hydrogen cyanide]	2500 ml/m3 [0,25 Vol.-%]		
SO2 [Sulfur dioxide]	2500 ml/m3 [0,25 Vol.-%]		
NH3 [Ammonia]	2500 ml/m3 [0,25 Vol.-%]		
H2S [Hydrogen sulfide]	10000 ml/m3 [1,0 Vol.-%]		
Performances			
Performance against gases	Gases of reference	DIN 58647.7 requirements	Typical values
	Cyclohexane (C6H12)	15 min	60 min
	Chlorine (Cl2)	15 min	52 min
	Hydrogen sulfide (H2S)	15 min	65 min
	Hydrogen cyanide (HCN)	15 min	55 min
	Sulfur dioxide (SO2)	15 min	32 min
	Ammonia (NH3)	15 min	40 min
	Hydrogen sulfide (H2S) [1,0 Vol.-%	5 min	16 min
Performance against particles	Particles of reference	EN 143 requirements	Typical values
P	Sodium chloride (NaCl)	6%	1,20%
	Paraffin oil	6%	1,50%
Material			
Nose cup	NR natural rubber, black		
Head harness	rubber strap		
Filter housing	Aluminium		
Filtering material	filtering paper / impregnated activated carbon		
Details/Special Information			
Storage conditions & time	- 5 °C to + 50°C, < 90 % r. h.	4,0 years	

These values must not be applied as basis for the performance times, they are exclusively an indication that the MSR1 protects against these gases, but only within the DIN 58647-T7.
The minimum service time is 15 minutes, depending on conditions.
The storage life is factory sealed 4 years.