



3M™ Scott™ TAC 1

Description	
Part Number	8004109
Shelf Life	10 years (from date of manufacture)
Diameter	4.25 inches (10.8 cm)
Height	3 inches (7.6 cm)
Weight	0.73 lbs (329 g)
Connection	40 mm thread
Body Material	Black polyamide
Breathing Resistance @ 85 lpm	36 mmWC



NOTE: When stored in factory sealed packaging in accordance with specified storage conditions

NIOSH Approved For Protection Against*		
Acide Gases (AG)	Chlorine (CL)	X
	Chlorine Dioxide (CD)	X
	Hydrogen Chloride (HC)	X
	Hydrogen Fluoride (HF)	X
	Sulfur Dioxide (SD)	X
Base Gases	Ammonia (AM)	X
	Methylamine (MA)	X
Aldehydes	Formaldehyde (FM)	X
Organic Vapors (OV)	Organic Vapors (OV)	X
Hydrides	Phosphine (PH)	X
Particulates	Particulate (P100)	X
Tear Gases	Mace® (CN)	X
	O-Chlorobenzylidene malononitrile (CS)	X

*NIOSH only approves complete respirators. Please refer to the approval label that comes with your cartridge for the complete respirator configuration.

Technical Datasheet

TAC 1 Cartridge

NIOSH Testing Conditions And Results				
Agent	Concentration	Flow Rate ¹	Breakthrough Concentration	Required Breakthrough Time (min) ²
Ammonia (AM)	1000 ppm	64 lpm	50 ppm	25
Chlorine (CL)	500 ppm	64 lpm	5 ppm	17.5
Chlorine Dioxide (CD)	500 ppm	64 lpm	0.1 ppm	30
Formaldehyde (FM)	100 ppm	64 lpm	1 ppm	50
Hydrogen Chloride (HC)	500 ppm	64 lpm	5 ppm	25
Hydrogen Fluoride (HF)	70 ppm	64 lpm	3 ppm	30
Methylamine (MA)	1000 ppm	64 lpm	10 ppm	12.5
Organic Vapors (OV)	1000 ppm	64 lpm	5 ppm	25
O-Chlorobenzylidene malononitrile (CS)	3 ppm	64 lpm	0.05 ppm	480
Mace® (CN)	16 ppm	64 lpm	0.05 ppm	480
Phosphine (PH)	1500 ppm	64 lpm	1 ppm	12
Sulfur Dioxide (SD)	500 ppm	64 lpm	5 ppm	15

Note 1 - APR test flow rate is 64 lpm for as received and 32 lpm for equilibrated cartridges.

Note 2 - The cartridges are tested: as received and pre-equilibrated to 25% and 85% RH. In both cases, the test condition is 25 C and 50% RH. The minimum time for both conditions is the same unless otherwise stated. APR cartridges are equilibrated at 25 l/min

Air purifying respirators are for use only in environments which are not immediately dangerous to life or health (IDLH) where the oxygen levels are above 19.5%. Do not exceed maximum use concentrations established by regulatory standards. In the absence of a contaminant standard, refer to the NIOSH Respirator Decision Logic publications. Warning: Improper use of these respirators may result in personal injury or death. Improper use includes, but is not limited to, use without adequate training, disregard of the warnings and instructions and failure to inspect and maintain these respirators. These respirators are intended to be used in conjunction with an organized respiratory protection program which complies with the requirements of American National Standard for Respiratory Protection, Z88.2-1992, available from American National Standards Institute Inc., 11 West 42nd Street, New York, NY 10036 or the requirements of OSHA Safety and Health Standard 29 CFR 1910.134 and/or 29 CFR 1910.139 available from the U.S. Department of Labor, Occupational Safety and Health Administration or other pertinent nationally recognized standards, such as those promulgated by the U.S. Coast Guard or the Department of Defense or in Canada, CSA Z94.4.1993. These respirators are not intended for use in atmospheres which are, or may become, immediately dangerous to life or health (IDLH) or in atmospheres where the identity and/or concentration of the contaminant is unknown.

3M Scott Fire & Safety

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