

3M™ DT-Series Combination Filter CF32 DT-4046E A2B2E2K2Hg-P3

Technical Data Sheet

Description

The 3M™ DT-Series filters are suitable for use with the 3M™ FF-300, FF-600 and FF-600F full face Respirators.

3M™ DT-Series filters have a 40mm thread connection.

Storage

Storage and maintenance of a filter: The filters are sealed in plastic bags by the manufacturer. Store the filters unopened in a clean place at even temperature, most appropriate at °C to +30°C and relative humidity below 75%. Sealed filters tolerate also conditions of -1°C to +50°C and below 95% RH. The storage period (month and year) for filters is marked on the filter tape. Do not try to regenerate the filters. Never clean the filters with compressed air or compressed water.

After use, the filters are special refuse. Make sure that they are disposed of according to the filtered substance (gases or particles) in accordance with current waste treatment regulations.

Disposal

If the product is to be disposed of, it should be dismantled from the respirator and disposed of as solid waste. Please see local authority regulations for disposal advice and locations.







Standards

Certified to AS/NZS 1716:2012.



Protection

DT-Series Combination Filter DT-4046E A2B2E2K2Hg-P3 protects against:

Colour Code	Protect against
	A Gases & vapours from organic compounds with a boiling point above 65°C
	B Acid gases & vapours, eg. chlorine, hydrogen sulphide, hydrogen cyanide
	E Inorganic gases and vapours such as sulphur dioxide
	K Ammonia & organic ammonia derivatives
	Hg Mercury & mercury vapour
	P3 Solid & liquid, radioactive & toxic particles & microorganisms eg. bacteria, enzymes

NOTE: Maximum usage time of Hg filter is 50 hours.

Test gas concentration: Negative pressure respirators: Gas Filter Class 2: 0.5 vol.-% (5000 ppm).

Specifications

Feature	DT-4046E A2B2E2K2Hg-P3	AS/NZS 1716 Requirement
Weight	371g	max 500g with full face respirator
Breathing Resistance		
30 l/min	1.3 mbar	2.6 mbar
95 l/min	4.5 mbar	9.8 mbar
Gas filter capacity with test gas @ 30 l/min (with negative pressure respirators)		
Cyclohexane C ₆ H ₁₂ (0.5 vol-%)	55min	minimum 35 min
Chlorine Cl ₂ (0.5 vol-%)	45min	minimum 20 min
Hydrogen Sulphide H ₂ S (0.5 vol-%)	>80 min	minimum 40 min
Hydrogen Cyanide HCN (0.5 vol-%)	50min	minimum 25 min
Sulphur Dioxide SO ₂ (0.5 vol-%)	23min	minimum 20 min
Ammonia NH ₃ (0.5 vol-%)	106min	minimum 40 min
Mercury vapour Hg (13 mg/m ³)	>100min	minimum 100 min
Particle filter efficiency @ 95 l/min		
Sodium Chloride NaCl (S)	<0.003%	0.05%
Paraffin oil (L)	<0.005%	0.05%
Dimensions		
Height	105mm	
Diameter	110mm	
Volume	320ml	
Thread	40mm	
Other Data		
Casing material	Polypropylene, reinforced	
Storage time	5 years (factory sealed)	
Storage temperature	-1°C to +50°C (factory sealed)	

See limitations of use 3M™ instructions of use for DT-Series filters.

Ordering Information

3M Code	Model #	Description
UU011502588	DT-4046E	DT-Series CF32 A2B2E2K2HG-P3

Pre-filters

3M Code	Model #	Description
UU010979753	SS-6601	Pre-Filter Kit for DT-Series Filters
XP100544442	SS-6607	DT-Series Filter Covers Orange Polyethylene

Accessories

3M Code	Model #	Description
XP100218930	SS-6603	Filter Shower Cover

Important Notice

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