

3M™ Filters DT Series (DIN40 Thread)

Description

3M™ Filters DT Series are designed to be used with approved 3M reusable half and full face respirators and certain 3M™ powered air respirators (see compatibility below).



Product Range

- 3M™ Particulate Filters DT-1000 Series
- 3M™ Gas and Vapour Filters DT-4000 Series
- 3M™ Gas, Vapour and Particulate Filters DT-403X and DT-404X Series

Standards and Approvals

3M™ Particulate Filters DT-1000 Series meet the requirements of the European standard EN 143.

3M™ Gas and Vapour Filters DT-4000 Series and 3M™ Gas, Vapour and Particulate Filters DT-403X and DT-404X Series meet the requirements of the European standard EN 14387.

When used with approved compatible Powered Air Respirators, certain DT Series filters meet the requirements of the European standard EN 12941/ EN 12942 (for details of approved combinations see compatibility table).

All DT Series filters have a standard thread connection meeting EN 148.

The Certificates and Declaration of Conformity are available at the following website: www.3M.com/Respiratory/certs

Cleaning and Storage

The product **MUST NOT** be immersed in water/liquid during cleaning. After use, an opened filter must be sealed tightly in an air-tight container if it is to be reused.

For filters in the manufacturer's packing, under normal conditions, you can store the filters for the recommended storage period that is marked on the filter. Store this sealed package between -10 to 50 °C and below 75% RH.

Use Limitations

Not to be used:

- In atmospheres containing less than 19.5% oxygen
- In confined spaces (lack of ventilation)
- When the risk is considered to be Immediately Dangerous For Life Or Health (IDLH)

Replace 3M™ Particulate Filters DT-1000 Series when it becomes difficult to breathe comfortably (this will vary from individual to individual) or the filter becomes dirty or physical damage occurs. If used with a powered air respirator, the filter may need to be changed when the low flow alarm sounds. Refer to powered air respirator user instructions.

Replace 3M™ DT Series Gas and Vapour filters in accordance with your established change schedule or government regulation, or sooner if the contaminant can be detected inside the respirator by smell or taste. Note: If the filters also provide combined particulate protection, then the filter may need to be replaced as described above.

3M™ DT Series Filters (DIN40) can only be used with reusable half and full face respirators and powered air respirators fitted with a DIN40 screw thread connection, e.g. 3M™ Reusable Half Mask HF-300 Series, 3M™ Reusable Full Facepiece Respirator FF-300 Series, 3M™ Reusable Full Facepiece Respirator FF-600 Series, 3M™ Powered Air Respirator PF-602E and 3M™ Powered Air Respirator PF2-602E. See table located in "Compatibility".

Before use, check the expiration date. For other use limitations please refer to the User Information supplied with the products.

Compatibility

Part Number	Description	3M™ Reusable Half Mask HF-300 Series	3M™ Reusable Full Face Respirator FF-300 Series	3M™ Reusable Full Face Respirator FF-600 Series	3M™ Powered Air Respirator PF-602E+	3M™ Powered Air Respirator PF2-602E
DT-1135E	P3	✓	✓	✓	P R SL	P
DT-1235E	P3 (reduced opening)	✓	✓	✓	P R SL	P
DT-4001E	A2	✓	✓	✓		
DT-4031E	A2P3 R D	✓	✓	✓	A1P R SL	A1P
DT-4035E	A2B2P3 R D	✓	✓	✓	A1B2P R SL	A1B2P
DT-4036E	A2B2E1P3 R D	✓	✓	✓	A1B2E1P R SL	A1B2E1P
DT-4045E	ABEK2P3 R D		✓	✓	A1B2E2K2P R SL	A1B2E2K2P
DT-4046E	ABEK2HgP3 R D		✓	✓	A1B2E2K2HgP R SL	A1B2E2K2HgP
DT-4047E	AXP3 R D		✓	✓		
DT-4049E	HgP3 R D		✓	✓		
DT-4145E	ABEK2P3 R D		✓	✓		
DT-4149E	HgP3 R D		✓	✓		

A class number written after a series of letters representing the categories applies to each of them. For example, ABE2 is the same as A2B2E2 .

When used with the 3M™ Powered Air Turbo PF-602E+, the DT-4046E filter can only be used to provide protection against Mercury (Hg) when used as part of a TH3 or TM3 classified system. DT-4031E, DT-4035E, DT-4045E, DT-4036E and DT-4046E are not approved for use with the 3M™ Powered Air Turbo PF-602E+ connected to 3M™ Full Facepiece Reusable Respirator FF-600 Series.

When used with the 3M™ Powered Air Turbo PF2-602E, the DT-4046E filter can be used to provide protection against Mercury (Hg) when used part of system with any TH or TM classification. DT-4031E, DT-4035E, DT-4045E, DT-4036E and DT-4046E are

also approved for use with the 3M™ Powered Air Turbo PF2-602E when connected to 3M™ Full Facepiece Reusable Respirator FF-600 Series.

Protection

Part Number	Helps Protect Against
DT-1135E	Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.
DT-1235E	Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.
DT-4001E	Gases and vapours from organic compounds with a boiling point above 65°C.
DT-4031E	Gases and vapours from organic compounds with a boiling point above 65°C. Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.
DT-4035E	Gases and vapours from organic compounds with a boiling point above 65°C. Inorganic gases and vapours. Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.
DT-4036E	Gases and vapours from organic compounds with a boiling point above 65°C. Inorganic gases and vapours. Acid gases and vapours. Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.
DT-4045E	Gases and vapours from organic compounds with a boiling point above 65°C. Inorganic gases and vapours. Acid gases and vapours. Ammonia and organic ammonia derivatives. Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.
DT-4046E	Gases and vapours from organic compounds with a boiling point above 65°C. Inorganic gases and vapours. Acid gases and vapours. Ammonia and organic ammonia derivatives. Mercury (maximum usage time of Hg filter is 50 hours). Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.
DT-4047E	Gases and vapours from organic compounds with a boiling point less than, or equal to, 65°C. (AX Filter single use only). Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.
DT-4049E	Radioactive agents and Mercury (maximum usage time of Hg filter is 50 hours). Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.
DT-4145E	Gases and vapours from organic compounds with a boiling point above 65°C. Inorganic gases and vapours. Acid gases and vapours. Ammonia and organic ammonia derivatives. Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.
DT-4149E	Radioactive agents and Mercury (maximum usage time of Hg filter is 50 hours). Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.

Composition

Filter	Material
3M™ Particulate Filters DT-1000 Series	Polypropylene - reinforced Micro glass fibre filtration media
3M™ Gas and Vapour Filters DT-4000 Series	Polypropylene - reinforced Activated Carbon Sorbent Media
3M™ Gas, Vapour and Particulate Filters DT-403X, DT-414X Series and DT-404X Series	Polypropylene - reinforced Micro Glass Fibre Filtration Media

Shelf Life

5 year from production date when stored at storage conditions described on packaging.

The shelf life indicates the maximum period of time during which the product can be stored before use. It must be stored in accordance with manufacturer's instructions (as stated in the UI and on the packaging) .

3M™ Accessories for DT Series Filters

Part Number	Description
SS-6603	3M™ Rubber Shower Cover
SS-6605	3M™ Plastic Cover
SS-6606	3M™ Filter Cover

Technical Statement

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