

# 3M™ Filters DT Series\* (DIN40 Thread)

## Technical datasheet

### 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](http://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 if it is to be reused.



### Use limitations

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 & 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 DIN40mm screw thread connection, e.g. 3M™ Reusable Half Mask AVIVA40, 3M™ Promask™ Reusable Full Facepiece Respirator FM3, 3M™ Vision™ Reusable Full Facepiece Respirator FM4, 3M™ Duraflow™ Powered Air Respirator and 3M™ Powered Air Respirator PF-600E (Proflow 2 SC 160). See table overleaf for compatibility.

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

\*Formerly known as Scott Safety Pro2000 Series Filters

## Compatibility

Part Number	Description	3M™ Reusable Half Mask AVIVA40	3M™ Promask™ Reusable Full Face Respirator FM3	3M™ Vision™ Reusable Full Face Respirator FM4	3M™ Duraflow™ Powered Air Respirator	3M™ Powered Air Respirator PF-600E (Proflow 2 SC 160)
DT-1135E	PF10 P3 R D	✓	✓	✓	P R SL	P R SL
DT-1235E	PFR10 P3 R D	✓	✓	✓	P R SL	P R SL
DT-4001E	GF22 A2	✓	✓	✓		
DT-4005E	GF22 A2B2	✓	✓	✓		
DT-4006E	GF32 ABEK2		✓	✓		
DT-4007E	GF32 AX	✓	✓	✓		
DT-4031E	CF22 A2P3 R D	✓	✓	✓	A1P R SL	A1P R SL
DT-4032E	CF22 B2P3 R D	✓	✓	✓	B2P R SL	B2P R SL
DT-4035E	CF22 A2B2P3 R D	✓	✓	✓	A1B2P R SL	A1B2P R SL
DT-4036E	CF22 A2B2E1P3 R D	✓	✓	✓	A1B2E1P R SL	A1B2E1P R SL
DT-4041E	CF32 A2P3 R D		✓	✓		
DT-4045E	CF32 ABEK2P3 R D		✓	✓	A1B2E2K2P R SL	A1B2E2K2P R SL
DT-4046E	CF32 ABEK2HgP3 R D		✓	✓	A1B2E2K2HgP R SL	A1B2E2K2HgP R SL
DT-4047E	CF32 AXP3 R D		✓	✓		
DT-4048E	CF32 AXB2P3 R D		✓	✓		
DT-4049E	CF32 REACTOR-HgP3 R D		✓	✓		
DT-4145E/ DT-4146E	CFR32 ABEK2P3 R D		✓	✓		
DT-4149E	CFR32 REACTOR-HgP3 R D		✓	✓		



## Composition

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 Activated Carbon Sorbent Media





Shelf life\*: 5 year from production date when stored at storage conditions described on packaging. (PF10 and PFR 10 shelf life 10 years).

\*The shelf life as defined above remains indicative and maximum data is subject to many external and non controllable factors. It may never be interpreted as a warranty.








## 3M™ Particulate Filters DT-1000 Series






Part Number	Description	Typical Weight	Helps protect against	Approval
DT-1135E	 PF10 P3 R D	96g	Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.	EN 143 EN 12941 EN 12942
DT-1235E	 PFR10 P3 R D (reduced opening)	96g	Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes.	EN 143 EN 12941 EN 12942

## 3M™ Gas and Vapour Filters DT-4000 Series

Part Number	Description	Typical Weight	Helps protect against	Approval
DT-4001E	 GF22 A2	204g	Gases and vapours from organic compounds with a boiling point above 65°C	EN 14387
DT-4005E	 GF22 A2B2	233g	Gases and vapours from organic compounds with a boiling point above 65°C. Inorganic gases and vapours.	EN 14387
DT-4006E	 GF32 ABEK2	322g	Gases and vapours from organic compounds with a boiling point above 65°C. Inorganic gases and vapours. Acid gases and vapours, e.g. sulphur dioxide. Ammonia and organic ammonia derivatives.	EN 14387
DT-4007E	 GF32 AX	274g	Gases and vapours from organic compounds with a boiling point less than, or equal to, 65°C. Single use only.	EN 14387

## 3M™ Gas, Vapour and Particulate Filters DT-4000 Series

Part Number	Description	Typical Weight	Helps protect against	Approval
DT-4031E	 CF22 A2P3 R D	256g	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	EN 14387 EN 12941 EN 12942
DT-4032E	 CF22 B2P3 R D	290g	Inorganic gases and vapours. Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes	EN 14387 EN 12941 EN 12942
DT-4036E	 CF22 A2B2E1P3 R D	293g	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	EN 14387 EN 12941 EN 12942
DT-4047E	 CF32 AXP3 R D	357g	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	EN 14387
DT-4035E	 CF22 A2B2P3 R D	290g	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	EN 14387 EN 12941 EN 12942
DT-4046E	 CF32 ABEK2HgP3 R D	377g (excludes cap & cover)	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	EN 14387 EN 12941 EN 12942
DT-4045E	 CF32 ABEK2P3 R D	377g	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	EN 14387 EN 12941 EN 12942

Part Number	Description	Typical Weight	Helps protect against	Approval
DT-4149E	 CFR32 REACTOR HgP3 R D (reduced opening)	345g	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	EN 14387 DIN 58621: 2010-11
DT-4145E/ DT-4146E	 CFR32 ABEK2P3 R D (reduced opening and foil bag)	396g	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	EN 14387
DT-4049E	 CF32 REACTOR-HgP3 R D	345g	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	EN 14387 DIN 58621: 2010-11
DT-4048E	 CF32 AXB2P3 R D	348g	Gases and vapours from organic compounds with a boiling point less than, or equal to, 65°C. Inorganic gases and vapours. Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes	EN 14387
DT-4041E	 CF32 A2P3 R D		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	EN14387

## 3M™ Accessories for DT Series Filters

Part Number	Description
SS-6603	3M™ Rubber Shower Cover
SS-6604	3M™ Spark Arrester
SS-6605	3M™ Plastic Cover
SS-6606	3M™ Filter Cover

## IMPORTANT NOTICE

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

Respiratory Protection is only effective if it is correctly selected, fitted and worn throughout the time when the wearer is exposed to respiratory contaminants. 3M offers advice on the selection of products, and training in the correct fitting and usage.

For more information on 3M products and services please contact 3M.