

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

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.

*Formerly known as Scott Safety Pro2000 Series Filters

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 and 3M™ Powered Air Respirator PF-602E. 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.

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+ |
|-------------|------------------------|--------------------------------------|---|---|-------------------------------------|
| DT-1135E | PF10 P3 D | ✓ | ✓ | ✓ | P R SL |
| DT-1235E | PFR10 P3 D | ✓ | ✓ | ✓ | P R SL |
| DT-4001E | GF22 A2 | ✓ | ✓ | ✓ | |
| DT-4031E | CF22 A2P3 R D | ✓ | ✓ | ✓ | A1P R SL |
| DT-4035E | CF22 A2B2P3 R D | ✓ | ✓ | ✓ | A1B2P R SL |
| DT-4036E | CF22 A2B2E1P3 R D | ✓ | ✓ | ✓ | A1B2E1P R SL |
| DT-4045E | CF32 ABEK2P3 R D | | ✓ | ✓ | A1B2E2K2P R SL |
| DT-4046E | CF32 ABEK2HgP3 R D | | ✓ | ✓ | A1B2E2K2HgP R SL |
| DT-4047E | CF32 AXP3 R D | | ✓ | ✓ | |
| DT-4049E | CF32 REACTOR-HgP3 R D | | ✓ | ✓ | |
| DT-4145E | 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 |

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.

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 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™ Particulate Filters DT-1000 Series

| Part Number | Description | Typical Weight | Helps Protect Against | Approval |
|-------------|-------------|----------------|---|--------------------------------|
| DT-1135E | PF10 P3 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 |

| Part Number | Description | Typical Weight | Helps Protect Against | Approval |
|-------------|------------------------------|----------------|---|--------------------------------|
| DT-1235E | PFR10 P3 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 |

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-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 |

| Part Number | Description | Typical Weight | Helps Protect Against | Approval |
|-------------|---|----------------|--|----------------------------------|
| 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 |
| DT-4149E | CFR32 REACTOR HgP3R 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 | CFR32 ABEK2P3R 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 |

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 |

A1 Gas classification is applicable for CF22 & CF32 filters when used on PF-602E systems.

Technical Statement

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