

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

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement or repair of the 3M product or refund of the purchase price. Warranty claims must be made within one (1) year from the date of 3M's shipment.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by applicable law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., OSHA, ANSI), as well as all product literature, user instructions, warnings, and other limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, death, or property damage. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com.