

User Advisory Notice

Immediate Action Required

Product:

3M™ Versaflo™ A2B2E2K1HgP Filter, TR-6580E

This notice includes a Stop Use instruction for certain applications. Please review carefully.

As part of 3M Personal Safety Division's ongoing commitment to delivering high quality safety equipment, we are notifying our end users of the following information related to 3M™ Versaflo™ A2B2E2K1HgP Filter, TR-6580E that may be in your possession or control. The TR-6580E filters are used with the 3M™ Versaflo™ TR-600 and TR-800 Powered Air Purifying Respirator (PAPRs).

Product Description	Contents	3M ID	Manufacturing Dates
3M™ Versaflo™ A2B2E2K1HgP Filter, TR-6580E		SAP ID: 7100020999 Legacy ID: CR180812420	Currently Unavailable

In recent internal testing, we discovered that certain TR-6580E filters did not meet performance requirements of EN12941:1998+A2:2008 and EN12942:1998+A2:2008 Respiratory Protective Devices, Section 6.11.2.4.2 & 6.11.2.4.3 Gas Capacity.

EN12941:1998+A2:2008 and EN 12942:1998+A2:2008 require that filters' gas capacity be tested with filters in two conditions:

1. The first condition subjects filters to a mechanical strength (MS) test only. MS testing involves placing the filter inside a steel case, which must weigh more than 10kg. The steel case mechanism is rotated at a rate of 100 rotations per min for approximately 20 minutes so that 2000 rotations are completed. On each rotation, the steel case drops by a height of 20mm onto a steel plate. Filters performed as expected after this testing.
2. The second condition subjects filters to temperature and humidity conditioning (THC) followed by mechanical strength (MS) testing. The THC conditioning involves extreme temperature and humidity conditioning at 50 °C/-30 °C with a relative humidity of 90%/0%, respectively. **In internal testing, we discovered that certain TR-6580E filters that had been subjected to sequential THC and MS testing had reduced performance during gas testing.**

3M remains committed to providing quality products and services to our customers. We apologize for any inconvenience that this situation may cause you. We appreciate your continued support of 3M Personal Safety products and services.

To date we are not aware of any customer complaints about early filter breakthrough for this filter. As a precautionary measure during our ongoing investigation, we are issuing the following direction:

TR-6580E used for Mercury (Hg) – Stop Use Immediately

Mercury vapour does not have clear warning properties. Therefore, if using an affected filter, a potential exists for user exposure. If you are using the filter for mercury vapour protection, please stop using the filter immediately.

TR-6580E used for other approved gases A2 (Organic Vapours & Gases with boiling point >65°C), B2 (Inorganic Gases & Vapours) E2 (Acid Gases) and K1 (Ammonia & Organic Ammonia Derivatives) – Rely on Warning Properties for Change Schedule

Though some of these filters may not meet the full capacity requirements of the CE certification outlined above (sequential temperature and humidity conditioning followed by rough handling), affected filters may still provide filtration. Gas and vapour filtration of types A, B, E, and K must have good warning properties, so breakthrough exposure should be minimal when following the system's *User Instructions* to "leave the contaminated area immediately" if "you smell or taste contaminants, or irritation occurs".

TR-6580E used for particulate protection – Not Affected

Particulate filtration performance is not affected by this testing and is not subject to this notice. If used against particulate hazards only, these filters may continue to be used.

There are no field observations that can determine if a filter is potentially affected, so this notice applies to all of your TR-6580E filter stock.

Please contact your 3M distributor to arrange credit for any unopened products.

We are working diligently on correcting this issue. In the meantime, TR-6580E filters will be unavailable. If appropriate, please select from other products that may suit your needs (see Alternative Product List below). We apologize for the inconvenience and appreciate your continued support.

If you have any further questions, please contact your local 3M Representative or 3M distributor.

3M remains committed to providing quality products and services to our customers. We apologize for any inconvenience that this situation may cause you. We appreciate your continued support of 3M Personal Safety products and services.

Alternative Product List

- Customers requiring B (Inorganic Gas), or E (Acid Gas) protection may consider the A1B1E1P filter, TR-6130E. However, the TR-6130E filter offers A1, B1 and E1 protection and therefore will have a reduced capacity compared to the TR-6580E.
- Customers requiring A (Organic Gas and Vapour with boiling point > 65°C) protection may consider the A2P filter, TR-6310E.
- There are no 3M Versaflo solutions for Hg or K type filtrations. However, other alternatives exist and are listed in the table below.
- Please contact your local 3M representative or your 3M distributor for further information.

Product Description	Contents	Compared to TR-6580E
Alternative Versaflo Filters		
<p>3M™ Versaflo™ A1B1E1P Filter, TR-6130E</p> <p>3M SAP ID: 7100020997 Legacy ID: CR180812396</p>		<p>Does not filter gases and vapours for Type K, ammonia Type Hg, mercury</p> <p>Reduced filter capacity (compared to TR-6580E) for Type A organic (>65°C boiling point) Type B, inorganic Type E, acid gas</p>
<p>3M™ Versaflo™ A2P Filter, TR-6310E</p> <p>3M SAP ID: 7100020998 Legacy ID: CR180812412</p>		<p>Does not filter gases and vapours for Type B, inorganic Type E, acid gas Type K, ammonia Type Hg, Mercury</p>
Alternative Solution to Versaflo		
<p>3M™ Jupiter™ A2B1E1K1P Filter, 453-09-25P</p> <p>3M SAP ID: 7000006599 Legacy ID: CR180804203</p>		<p>Requires use of 3M™ Jupiter™ Powered Air Turbo system</p> <p>Does not filter gases and vapours for Type Hg, mercury</p> <p>Reduced filter capacity (compared to TR-6580E) for Type B, inorganic Type E, acid gas</p>

3M remains committed to providing quality products and services to our customers. We apologize for any inconvenience that this situation may cause you. We appreciate your continued support of 3M Personal Safety products and services.

<p>3M™ 6099 A2B2E2K2HgP3 Filters</p> <p>3M SAP ID: 7100104327 Legacy ID: 70071695210</p>		<p>Requires use of 3M™ 6000 Full Facemask</p>
<p>3M™ DT-4046 A2B2E2K2HgP3 Filter</p> <p>3M SAP ID: 7100260645 Legacy ID: UU011502588</p>		<p>Requires use of 3M™ FF-300 or FF-600 Full Facemask</p>
<p>3M™ DT-4045E A2B2E2K2P3 Filter</p> <p>3M SAP ID: 7100260628 Legacy ID: UU011502596</p>		<p>Requires use of 3M™ FF-300 or FF-600 Full Facemask</p> <p>Does not filter gases and vapours for Type Hg, Mercury</p>
<p>3M™ 6096 A1E1HgP3 Filters</p> <p>3M SAP ID: 7100104296 Legacy ID: 70071695228</p>		<p>Requires use of 3M™ 6000 Full Facemask</p> <p>Does not filter gases and vapours for Type B, inorganic Type K, ammonia</p>
<p>3M™ 6054 K1 Filters (in combination with 3M™ 5935P3 + 501 Retainer to provide particulate protection)</p> <p>3M ID: 7000034750 Legacy ID: GT500084055</p> <p>(3M SAP ID 7000037675 or Legacy ID TI551152356 for 5935P3 and 3M SAP ID 7100066103 or Legacy ID 70071651742 for 501 Filter Retainer)</p>		<p>Requires use of 3M™ 6000 Full Facemask</p> <p>Does not filter gases and vapours for Type A, organic (>65°C boiling point) Type B, inorganic Type E, acid gas Type Hg, Mercury</p>

3M remains committed to providing quality products and services to our customers. We apologize for any inconvenience that this situation may cause you. We appreciate your continued support of 3M Personal Safety products and services.