

**3M** Science.  
Applied to Life.™



**Breathe easy.  
Versatile, comfortable turbos.**

3M™ Versaflo™ Powered Air Respirator Systems

# Comfortable the whole shift long.

In hazardous environments, powered air respirator systems can help enhance wearer comfort. 3M™ Versaflo™ turbos automatically adjust airflow to compensate for filter loading to deliver the same amount of filtered air throughout an entire shift—helping to keep your employees comfortable.

## Intuitive interactivity.

Colour-indicated touch points allow for easy identification.

## Fully submersible cleaning.

For environments requiring decontamination or heavy cleaning, the 3M™ Versaflo™ TR-600 and TR-800 battery and turbo can be fully submerged and easily cleaned with the use of the TR-653 cleaning and storage kit.



## You're in control.

Workers can control their comfort by selecting from various airflow speeds.

## Stay alert.

Visual and audible alarms alert workers to low battery and filter loading.

## Designed for comfort. Powered by innovation.

We developed 3M™ Versaflo™ series turbos to deliver the safety you need, with the comfort and ease you've been looking for.



### Comfort

With a lightweight, slim design, workers can be more comfortable working in tight workspaces to get the job done.



### Ease

Versaflo™ turbos have easy to use interfaces on both the turbo and battery. Monitor the status of your filter, airflow setting, and battery charge at a glance.



### Versatility

Use in a variety of industries with loose or tight-fitting headtops for various particulate, gas and vapour hazards. TR-800 turbo is available for use in certain potentially explosive atmospheres.

# Find the right fit for your environment.

The entire series of 3M™ Versaflo™ turbos was developed to give you the choice you need to handle the hazards you face. Explore your options and find the one that fits your application.



► TR-300+

Particulate & nuisance odour



► TR-600

Particulate, Nuisance Odour, Gas and Vapour



► TR-800

Particulate, Nuisance Odour, Gas and Vapour. For use in certain potentially explosive atmospheres.

| Feature                            | TR-300+                    | TR-600  | TR-800                  |
|------------------------------------|----------------------------|---|-------------------------|
| Particulate                        | ✓                          | ✓   | ✓                       |
| Gas & Vapour                       |                            | ✓   | ✓                       |
| Particulate & Nuisance Odour       | ✓                          | ✓   | ✓                       |
| Intrinsically Safe                 |                            |   | ✓                       |
| Compatible Headtop Options         | Loose fitting              | Loose and tight-fitting                               |                         |
| Turbo Alarms                       | Visual/Audible             | Visual/Audible/Vibratory                              | Visual/Audible          |
| Cleaning                           | Wipe down                  | Submersible with optional cleaning kit                |                         |
| Ingress Protection                 | IP-53                      | IP-54<br>IP-67*                                       |                         |
| Airflow (loose fitting)            | 185 lpm/205 lpm            | 185 lpm/205 lpm/225 lpm                               |                         |
| Airflow (tight fitting)            |                            | 115 lpm/135 lpm/170 lpm                               |                         |
| Altitude Limits                    | -100m to 4300m             | -100m to 5000m  |                         |
| Dimensions                         | 20.3 W x 17.8 H x 7.6 D cm | 25.4 W x 20.3 H x 7.6 D cm                            |                         |
| Approximate Motor Blower Weight    | 0.39 kg                    | 0.64 kg   | 0.68 kg                 |
| Battery Type                       | Lithium Ion                |   |                         |
| Battery Cycles                     | 250††                      |   |                         |
| Battery Run Time (loose fitting)** | High Capacity: 9-12 hours  | Standard: 10-12 hours†<br>High Capacity: 15-19 hours† | Standard: 5.5-7.5 hours |
| Battery Run Time (tight fitting)** |                            | Standard: 9-12 hours<br>High Capacity: 12-18 hours    | Standard: 5.5-8 hours   |
| Battery Charge Time                | <3.5 hours                 | <4 hours  | <3.5 hours              |
| Approximate Battery Weight         | High Capacity: 0.36 kg     | Standard: 0.45 kg<br>High Capacity: 0.59 kg           | Standard: 0.68 kg       |

\* With cleaning and storage kit fitted \*\* Battery run times stated are at standard flow setting. See specific product datasheets for more information

† With P filter. Systems incorporating other filters may have lower battery run times. See specific product datasheet for more information.

†† During the first year of service, while maintaining 80% of battery's original capacity.

# Hazards are diverse. So is our protection.

With over 40 years of respiratory protection development and a proven record of innovation, 3M filters give you the versatility you need to handle a wide range of hazardous environments.

## Know your exposure.

Different tasks require different protection. Filters help protect against particles such as dust, plus a range of certain gases and vapours. Filter covers can be used to help protect the filter and may be used with optional spark arrestors and pre-filters. Examples include:



TR-6710E Filter



TR-6310E Filter



TR-6300FC Filter Cover

## Know your options.

| Product                       | Type         | Description*  | For Use With        |
|-------------------------------|--------------|---|---------------------|
| <b>TR-300+ Only</b>           |              |   |                     |
| TR-371                        | Filter Cover | 3M™ Versaflo™ Filter Cover  | TR-300+             |
| TR-3712E                      | Filter       | 3M™ Versaflo™ Particulate (P) Filter  | TR-300+             |
| TR-3802E                      | Filter       | 3M™ Versaflo™ Particulate (P), plus nuisance level organic gas and vapours below the Workplace Exposure Limit (WEL)   | TR-300+             |
| TR-3822E                      | Filter       | 3M™ Versaflo™ Particulate (P), plus hydrogen fluoride gas up to 10 x Workplace Exposure Limit (WEL) and nuisance level organic gas and vapours below the Workplace Exposure Limit (WEL)           | TR-300+             |
| <b>TR-600 and TR-800 Only</b> |              |   |                     |
| TR-6710E                      | Filter       | 3M™ Versaflo™ Particulate (P) Filter  | TR-600 & TR-800     |
| TR-6820E                      | Filter       | 3M™ Versaflo™ Particulate (P), plus nuisance level organic gas and vapours below the Workplace Exposure Limit (WEL), nuisance level acid gases below WEL and Hydrogen Fluoride gas up to 10 x WEL | TR-600 & TR-800     |
| TR-6110E                      | Filter       | 3M™ Versaflo™ A1P Filter  | TR-600 & TR-800     |
| TR-6130E                      | Filter       | 3M™ Versaflo™ A1B1E1P Filter  | TR-600 & TR-800     |
| TR-6310E                      | Filter       | 3M™ Versaflo™ A2P Filter  | TR-600 & TR-800     |
| TR-6580E                      | Filter       | 3M™ Versaflo™ A2B2E2K1HgP Filter  | TR-600 & TR-800     |
| TR-6700FC                     | Filter Cover | 3M™ Versaflo™ Filter Cover  | TR-6710E            |
| TR-6800FC                     | Filter Cover | 3M™ Versaflo™ Filter Cover  | TR-6820E            |
| TR-6100FC                     | Filter Cover | 3M™ Versaflo™ Filter Cover  | TR-6110E & TR-6130E |
| TR-6300FC                     | Filter Cover | 3M™ Versaflo™ Filter Cover  | TR-6310E            |
| TR-6500FC                     | Filter Cover | 3M™ Versaflo™ Filter Cover  | TR-6580E            |

\*Nuisance odour defined as organic vapours or acid gases which are below the Workplace Exposure Limit (WEL)

## Know your filter life.

With the 3M Service Life Software, you can estimate the service life of 3M gas and vapour filters at your specific exposure level and environmental conditions.

# Add value. Choose to customise.

Each job is unique. That's why there's a whole portfolio of 3M™ Versaflo™ Powered Air System accessories so you can tailor your system to your needs.

## Pre-filters and Spark Arrestors.

Pre-filters may help extend the service life of your filters by capturing large particles and spark arrestors can help protect against damage from sparks.









- ▶ TR-3600 Prefilter
- ▶ TR-6600 Prefilter



- ▶ TR-362 Spark Arrestor
- ▶ TR-662 Spark Arrestor





## Belts and backpacks.






Various belt materials provide variety for different environments. A backpack option can help reduce burden on workers' waists.

| Part   | Type | Material        | Turbo             |
|--|------|-----------------|-------------------|
|  TR-325   | Belt | Standard        | TR-300+           |
|  TR-326   |      | High Durability |                   |
|  TR-327 |      | Easy Clean      |                   |
|  TR-626 |      | High Durability | TR-600/<br>TR-800 |
|  TR-627 |      | Easy Clean      |                   |
|  BPK-01 |      | Backpack        | Standard          |

## Added versatility.

With long-lasting batteries, intelligent chargers and convenient storage and cleaning kits, you can help ensure Versaflo™ series turbos work for your job.

| Batteries  | Type          | Turbo   |
|--|---------------|---------|
|  TR-332 | High Capacity | TR-300+ |
|  TR-630 | Standard      | TR-600  |
|  TR-632 | High Capacity |         |
|  TR-830 | Standard      | TR-800  |




| Charger  | Type           | Turbo             |
|--|----------------|-------------------|
|  TR-341UK | Single Station | TR-300+           |
|  TR-344UK | Four Station   |                   |
|  TR-641UK | Single Station | TR-600/<br>TR-800 |
|  TR-644UK | Four Station   |                   |
|  TR-944UK | Four Station   | All               |

| Cleaning/Storage Kit   |
|--|
|  TR-653<br>(for TR-600 / TR-800 only) |

\*TR-600 & TR-800 require the TR-655 backpack adapter.

# Find the perfect system for your application.

We want every step of the process to be simple for you. Our Starter Kit bundles together turbos, batteries, belts and other common components, but allows you to choose the headtop and accessories right for your job.

| 3M™ Starter-Kit   |   |   |
|---|---|---|
|  |  |  |
| ▶ TR-315UK+   | ▶ TR-619UK  | ▶ TR-819UK  |

For some of the most common applications, we've collected the most common components into convenient bundles.



## Heavy Industry

For use in harsh environments such as demolition, grinding, metal finishing and casting.

- ▶ TR-315UK+ & M-307 /M-407
- ▶ TR-619UK & M-307 /M-407
- ▶ TR-819UK & M-307 /M-407



## Vehicle Repair

For protection against gases and vapours when repairing or painting vehicles.

- ▶ TR-619UK & M-207/M-307
- ▶ TR-819UK & M-207/M-307



## Healthcare

Benefit from a wider field of vision while being able to use a stethoscope. It is also pleasant for your patients to see more of your face.

- ▶ TR-315UK+ & S-133 / S-433
- ▶ TR-619UK & S-133 / S-433

## Want to customise it all?

Keep reading to see how to assemble your Versaflo™ Powered Air Respirator System piece by piece.

### 3M™ Versaflo™ Starter Kits

| Name      | Description                         | SKU        | Particulate/<br>Nuisance<br>Odour | Gas &<br>Vapour | Submersible | Intrinsically<br>Safe |
|-----------|-------------------------------------|------------|-----------------------------------|-----------------|-------------|-----------------------|
| TR-315UK+ | 3M™ Versaflo™ Starter Kit TR-315UK+ | 7100098909 | ✓                                 |                 |             |                       |
| TR-619UK  | 3M™ Versaflo™ Starter Kit TR-619UK  | 7100065913 | ✓                                 | ✓               | ✓           |                       |
| TR-819UK  | 3M™ Versaflo™ Starter Kit TR-819UK  | 7100169181 | ✓                                 | ✓               | ✓           | ✓                     |

### Powered Air Turbo (Battery not included)

| Name     | Description                          | SKU        | Particulate/<br>Nuisance<br>Odour | Gas &<br>Vapour | Submersible | Intrinsically<br>Safe |
|----------|--------------------------------------|------------|-----------------------------------|-----------------|-------------|-----------------------|
| TR-302E+ | 3M™ Versaflo™ Powered Air Turbo Unit | 7100098846 | ✓                                 |                 |             |                       |
| TR-602E  | 3M™ Versaflo™ Powered Air Turbo Unit | 7100035056 | ✓                                 | ✓               | ✓           |                       |
| TR-802E  | 3M™ Versaflo™ Powered Air Turbo Unit | 7100169179 | ✓                                 | ✓               | ✓           | ✓                     |

### Batteries

| Name   | Description                               | SKU        | For use with |
|--------|---|------------|--------------|
| TR-332 | 3M™ Versaflo™ High Capacity Battery       | 7100005643 | TR-300+      |
| TR-630 | 3M™ Versaflo™ Standard Battery            | 7000144501 | TR-600       |
| TR-632 | 3M™ Versaflo™ High Capacity Battery       | 7000144502 |              |
| TR-830 | 3M™ Versaflo™ Battery, Intrinsically Safe | 7100150925 | TR-800       |

### Cleaning and Storage

| Name   | Description                          | SKU        | For use with |
|--------|--------------------------------------|------------|--------------|
| TR-653 | 3M™ Versaflo™ Cleaning & Storage Kit | 7100035841 | TR-600/800   |

### Chargers

| Name     | Type           | Description                                      | SKU        | For use with     |
|----------|----------------|--|------------|------------------|
| TR-341UK | Single Station | 3M™ Versaflo™ Single Station Battery Charger Kit | 7100007089 | TR-300+          |
| TR-344UK | 4 Station      | 3M™ Versaflo™ 4-Station Battery Charger Kit      | 7000103975 |                  |
| TR-641UK | Single Station | 3M™ Versaflo™ Single Station Battery Charger Kit | 7100021098 | TR-600<br>TR-800 |
| TR-644UK | 4 Station      | 3M™ Versaflo™ 4-Station Battery Charger Kit      | 7100020282 |                  |

## Filters/Filter Covers

| Product                       | Type         | Description*   |            | For Use With        |
|-------------------------------|--------------|--|------------|---------------------|
| <b>TR-300+ Only</b>           |              |  |            |                     |
| TR-371                        | Filter Cover | 3M™ Versaflo™ Filter Cover   | 7100099577 | TR-300+             |
| TR-3712E                      | Filter       | 3M™ Versaflo™ Particulate (P) Filter   | 7100018965 | TR-300+             |
| TR-3802E                      | Filter       | 3M™ Versaflo™ Particulate (P) , plus nuisance level organic gas and vapours below the Workplace Exposure Limit (WEL)   | 7100018809 | TR-300+             |
| TR-3822E                      | Filter       | 3M™ Versaflo™ Particulate (P) , plus hydrogen fluoride gas up to 10 x Workplace Exposure Limit (WEL) and nuisance level organic gas and vapours below the Workplace Exposure Limit (WEL)           | 7100018861 | TR-300+             |
| <b>TR-600 and TR-800 Only</b> |              |  |            |                     |
| TR-6710E                      | Filter       | 3M™ Versaflo™ Particulate (P) Filter   | 7100020971 | TR-600 & TR-800     |
| TR-6820E                      | Filter       | 3M™ Versaflo™ Particulate (P) , plus nuisance level organic gas and vapours below the Workplace Exposure Limit (WEL), nuisance level acid gases below WEL and Hydrogen Fluoride gas up to 10 x WEL | 7100020995 | TR-600 & TR-800     |
| TR-6110E                      | Filter       | 3M™ Versaflo™ A1P Filter   | 7100020996 | TR-600 & TR-800     |
| TR-6130E                      | Filter       | 3M™ Versaflo™ A1B1E1P Filter   | 7100020997 | TR-600 & TR-800     |
| TR-6310E                      | Filter       | 3M™ Versaflo™ A2P Filter   | 7100020998 | TR-600 & TR-800     |
| TR-6580E                      | Filter       | 3M™ Versaflo™ A2B2E2K1HgP Filter   | 7100020999 | TR-600 & TR-800     |
| TR-6700FC                     | Filter Cover | 3M™ Versaflo™ Filter Cover   | 7100021251 | TR-6710E            |
| TR-6800FC                     | Filter Cover | 3M™ Versaflo™ Filter Cover   | 7100021247 | TR-6820E            |
| TR-6100FC                     | Filter Cover | 3M™ Versaflo™ Filter Cover   | 7100021248 | TR-6110E & TR-6130E |
| TR-6300FC                     | Filter Cover | 3M™ Versaflo™ Filter Cover   | 7100021336 | TR-6310E            |
| TR-6500FC                     | Filter Cover | 3M™ Versaflo™ Filter Cover   | 7100021252 | TR-6580E            |

## Pre-filters and Spark Arrestors

| Name    | Type           | Description                  | SKU        | For use with  |
|---------|----------------|------------------------------|------------|---------------|
| TR-3600 | Pre-filter     | 3M™ Versaflo™ Prefilter      | 7000059880 | TR-300+       |
| TR-362  | Spark Arrestor | 3M™ Versaflo™ Spark Arrestor | 7000103970 |               |
| TR-6600 | Pre-filter     | 3M™ Versaflo™ Prefilter      | 7100021255 | TR-600/TR-800 |
| TR-662  | Spark Arrestor | 3M™ Versaflo™ Spark Arrestor | 7100035845 |               |

## Belts and Backpacks

| Name   | Type             | Description                        | SKU        | For use with     |
|--------|------------------|------------------------------------|------------|------------------|
| TR-325 | Standard Belt    | 3M™ Versaflo™ Standard Belt        | 7100006958 | TR-300+          |
| TR-326 | High Durability  | 3M™ Versaflo™ High Durability Belt | 7000103972 |                  |
| TR-327 | Easy Clean       | 3M™ Versaflo™ Easy Clean Belt      | 7000103973 |                  |
| TR-329 | Braces           | 3M™ Versaflo™ Braces               | 7000044317 | TR-300+ / TR-600 |
| TR-626 | High Durability  | 3M™ Versaflo™ High Durability Belt | 7100020189 | TR-600/ TR-800   |
| TR-627 | Easy Clean       | 3M™ Versaflo™ Easy Clean Belt      | 7100020221 |                  |
| TR-655 | Backpack Adaptor | 3M™ Versaflo™ Backpack Adaptor     | 7100035843 |                  |
| BPK-01 | Backpack         | 3M™ Versaflo™ Backpack             | 7100005724 | All              |

## Try 3M™ Versaflo™ Powered Air Respirators for yourself.



3M PSD products are for occupational use only.

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