

**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 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 <sup>††</sup>		
Battery Run Time (loose fitting)**	Standard: 4.5-6 hours High Capacity: 9-12 hours	Standard: 10-12 hours <sup>†</sup> High Capacity: 15-19 hours <sup>†</sup>	Standard: 5.5-7.5 hours
Battery Run Time (tight fitting)**		Standard: 9-12 hours High Capacity: 12-18 hours	Standard: 5.5-8 hours
Battery Charge Time	<3.5 hours	<4 hours	<3.5 hours
Approximate Battery Weight	Standard: 0.23 kg High Capacity: 0.36 kg	Standard: 0.45 kg 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.



TR-6710E Filter



TR-6310E Filter



TR-6300FC Filter Cover

## Know your options.

Product	Type	Description*	For Use With
TR-371	Filter Cover	3M™ Versaflo™ Filter Cover	TR-300+
TR-3712E	Filter	3M™ Versaflo™ P Filter	TR-300+
TR-3802E	Filter	3M™ Versaflo™ P, Nuisance Odour Organic Gases & Vapours Filter	TR-300+
TR-3822E	Filter	3M™ Versaflo™ P, Nuisance Odour Acid Gases Filter (plus hydrogen fluoride up to 10 x Occupational Exposure Limit)	TR-300+
TR-6710E	Filter	3M™ Versaflo™ P Filter	TR-600 & TR-800
TR-6820E	Filter	3M™ Versaflo™ P, Nuisance Odour Organic Gases & Vapours and Acid Gases Filter (plus hydrogen fluoride up to 10 x Occupational Exposure Limit)	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 describes contaminants that are below the Occupational Exposure Limit (OEL)

## 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/ 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 TR-341E	Single Station	TR-300+
 TR-344UK TR-344E	Four Station	
 TR-641UK TR-641E	Single Station	TR-600/ TR-800
 TR-644UK TR-644E	Four Station	
 TR-944UK TR-944E	Four Station	All

Cleaning/Storage Kit
 TR-653

\*TR-329 braces can be utilised to help reduce burden around the waist. \*\*TR-600 & TR-800 require the TR-655 backpack adapter.

# Easy to use. Easy to buy.

We want every step of the process to be simple for you. So we give you 3 ways to purchase and implement 3M™ Versaflo™ Powered Air Systems for your workers.

## Just getting started? Choose a Ready Kit.

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



### Easy-Clean

Get all the benefits of a Powered Air system that is easy to clean and maintain.

- ▶ TR-300-ECK
- ▶ TR-600-ECK
- ▶ TR-800-ECK

### Heavy Industry

For use in rugged industrial environments like demolition, grinding, metal finishing and casting.

- ▶ TR-300-HIK
- ▶ TR-600-HIK
- ▶ TR-800-HIK

### Painter's Kit

Take advantage of greater mobility in paint booths with the new 3M standard in intrinsically safe protection: The TR-800 Paint Spray Kit.

- ▶ TR-800-PSK

### Healthcare

A wider field of view allows you to see more of your work as your patients see more of your face, while also accommodating stethoscope use.

- ▶ TR-300-HKL
- ▶ TR-600-HKL

## Looking for a full kit but need versatility? Start with a Starter Kit.

A 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™ Versaflo™ Starter Kits

- |             |            |            |
|-------------|------------|------------|
| ▶ TR-315E+  | ▶ TR-619E  | ▶ TR-819E  |
| ▶ TR-315UK+ | ▶ TR-619UK | ▶ TR-819UK |

### Want to customise it all?

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

### 3M™ Versaflo™ Ready Kits

Name	Description	SKU	Particulate/ Nuisance Odour	Gas & Vapour	Submersible	Intrinsically Safe
TR-300+ ECK	3M™ Versaflo™ Easy Clean Powered Air Respirator Systems Kit	7100233764	✓			
TR-300+ HIK	3M™ Versaflo™ Heavy Industry Powered Air Respirator Systems Kit	7100233767	✓			
TR-300+ HKL	3M™ Versaflo™ Headcover Powered Air Respirator Systems Kit	7100233765	✓			
TR-600 ECK	3M™ Versaflo™ Easy Clean Powered Air Respirator Systems Kit	7100233747	✓	✓	✓	
TR-600 HIK	3M™ Versaflo™ Heavy Industry Powered Air Respirator Systems Kit	7100233843	✓	✓	✓	
TR-600 HKL	3M™ Versaflo™ Headcover Powered Air Respirator Systems Kit	7100233746	✓	✓	✓	
TR-800 ECK	3M™ Versaflo™ Easy Clean Powered Air Respirator Systems Kit	7100233763	✓	✓	✓	✓
TR-800 HIK	3M™ Versaflo™ Heavy Industry Powered Air Respirator Systems Kit	7100233766	✓	✓	✓	✓
TR-800 PSK	3M™ Versaflo™ Painter's Powered Air Respirator Systems Kit	7100233732	✓	✓	✓	✓

### 3M™ Versaflo™ Starter Kits

Name	Description	SKU	Particulate/ Nuisance Odour	Gas & Vapour	Submersible	Intrinsically Safe
TR-315E+	3M™ Versaflo™ Starter Kit TR-315E+	7100098908	✓			
TR-315UK+	3M™ Versaflo™ Starter Kit TR-315UK+	7100098909	✓			
TR-619E	3M™ Versaflo™ Starter Kit TR-619E	7100053532	✓	✓	✓	
TR-619UK	3M™ Versaflo™ Starter Kit TR-619UK	7100065913	✓	✓	✓	
TR-819E	3M™ Versaflo™ Starter Kit TR-819E	7100169180	✓	✓	✓	✓
TR-819UK	3M™ Versaflo™ Starter Kit TR-819UK	7100169181	✓	✓	✓	✓

### Powered Air Turbo (Battery not included)

Name	Description	SKU	Particulate/ Nuisance Odour	Gas & Vapour	Submersible	Intrinsically 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-341E			7000103966	
TR-344UK	4 Station	3M™ Versaflo™ 4-Station Battery Charger Kit	7000103975	
TR-344E			7000103966	
TR-641UK	Single Station	3M™ Versaflo™ Single Station Battery Charger Kit	7100021098	TR-600 TR-800
TR-641E			7000144504	
TR-644UK	4 Station	3M™ Versaflo™ 4-Station Battery Charger Kit	7100020282	
TR-644E			7000144505	

## Filters/Filter Covers

Name	Type	Description*	SKU	For use with
TR-371	Filter Cover	3M™ Versaflo™ Filter Cover	7100099577	TR-300+
TR-3712E	Filter	3M™ Versaflo™ Particulate Filter	7100018965	TR-300+
TR-3802E	Filter	3M™ Versaflo™ Particulate plus nuisance level organic gases and vapours below Occupational Exposure Limit (OEL) Filter	70071622065	TR-300+
TR-3822E	Filter	3M™ Versaflo™ Particulate plus hydrogen fluoride gas up to 10 x Occupational Exposure Limit (OEL) and nuisance level acid gases below OEL Filter	70071622073	TR-300+
TR-6100FC	Filter Cover	3M™ Versaflo™ Filter Cover	7100021248	TR-6110E & TR-6130E
TR-6110E	Filter	3M™ Versaflo™ A1P Filter	70071622040	TR-600/TR-800
TR-6130E	Filter	3M™ Versaflo™ A1B1E1P Filter	7100020997	TR-600/TR-800
TR-6300FC	Filter Cover	3M™ Versaflo™ Filter Cover	7100021336	TR-6310E
TR-6310E	Filter	3M™ Versaflo™ AP2 Filter	7100020998	TR-600/TR-800
TR-6500FC	Filter Cover	3M™ Versaflo™ Filter Cover	7100021252	TR-6580E
TR-6580E	Filter	3M™ Versaflo™ A2B2E2K1HgP Filter	7100020999	TR-600/TR-800
TR-6700FC	Filter Cover	3M™ Versaflo™ Filter Cover	7100021251	TR-6710E
TR-6710E	Filter	3M™ Versaflo™ Particulate Filter	7100020971	TR-600/TR-800
TR-6800FC	Filter Cover	3M™ Versaflo™ Filter Cover	7100021247	TR-6820E
TR-6820E	Filter	3M™ Versaflo™ Particulate plus nuisance level organic gases and vapours below Occupational Exposure Limit (OEL), nuisance level acid gases below OEL and hydrogen fluoride gas up to 10 x OEL Filter	7100020995	TR-600/TR-800

## 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-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

\*Nuisance odour describes contaminants below the Occupational Exposure Limit (OEL)



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

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