

**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	-610m to 4300m	-610m 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	500 <sup>††</sup>		750 <sup>††</sup>
Battery Run Time (loose fitting)**	High Capacity: 8-12 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	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 particle 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™ Particulate (P) , plus nuisance level organic gas and vapours below the Workplace Exposure Limit (WEL)	TR-300+
TR-3822E	Filter	3M™ Versaflo™ P, Nuisance Odour Acid Gases Filter (plus hydrogen fluoride up to 10 x Workplace Exposure Limit)	TR-300+
TR-6710E	Filter	3M™ Versaflo™ 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 describes contaminants that 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.

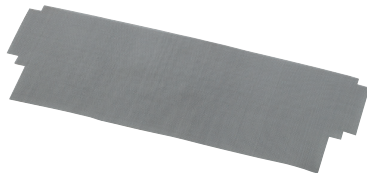
Each job is unique. That's why there's a whole portfolio of 3M™ Versaflo™ Powered Air System accessories so you can tailor your system to your needs.

## 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/ TR-800
TR-627*		Easy Clean	
TR-927		Backpack	Easy Clean
BPK-HD	Backpack	Heavy Duty	All**



TR-381, TR-681 Powered Air Respirator Covers Designed with liquid resistant material to help keep Versaflo Powered Air Respirators clean from over-spray and debris.

## 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-342E	Single Station	TR-300+
TR-342-3	Three Station	
TR-642E	Single Station	TR-600/ TR-800
TR-642-3	Three Station	

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 PAPR 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



### Industrial Hard Hat

A versatile Powered Air System featuring a hard hat with a disposable hood. For use in industrial environments like painting, decommissioning, chemical mixing.

- ▶ TR-300+-IHK
- ▶ TR-600-IHK
- ▶ TR-800-IHK



### 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

### 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	Turbo	Headtop	Filter	Intrinsically Safe
TR-300+ ECK	3M™ Versaflo™ Easy Clean Powered Air Respirator Systems Kit	TR-302E+	S-433L	TR-3712E	
TR-300+ HIK	3M™ Versaflo™ Heavy Industry Powered Air Respirator Systems Kit	TR-302E+	M-307	TR-3712E	
TR-300+ HKL	3M™ Versaflo™ Headcover Powered Air Respirator Systems Kit	TR-302E+	S-133L	TR-3712E	
TR-300-IHK	3M™ Versaflo™ Industrial Hard Hat Powered Air Respirator Systems Kit	TR-302E+	S-667	TR-3712E	
TR-600 ECK	3M™ Versaflo™ Easy Clean Powered Air Respirator Systems Kit	TR-602E	S-433L	TR-6710E	
TR-600 HIK	3M™ Versaflo™ Heavy Industry Powered Air Respirator Systems Kit	TR-602E	M-307	TR-6310E	
TR-600 HKL	3M™ Versaflo™ Headcover Powered Air Respirator Systems Kit	TR-602E	S-133L	TR-6710E	
TR-600-IHK	3M™ Versaflo™ Industrial Hard Hat Powered Air Respirator Systems Kit	TR-602E	S-667	TR-6710E	
TR-800 ECK	3M™ Versaflo™ Easy Clean Powered Air Respirator Systems Kit	TR-802E	S-433L	TR-6710E	✓
TR-800 HIK	3M™ Versaflo™ Heavy Industry Powered Air Respirator Systems Kit	TR-802E	M-307	TR-6310E	✓
TR-800 PSK	3M™ Versaflo™ Painter's Powered Air Respirator Systems Kit	TR-802E	S-133L	TR-6310E	✓
TR-800-IHK	3M™ Versaflo™ Industrial Hard Hat Powered Air Respirator Systems Kit	TR-802E	S-767	TR-6310E	✓

### 3M™ Versaflo™ Starter Kits

Name	Description	Turbo	Headtop	Filter	Intrinsically Safe
TR-315E+	3M™ Versaflo™ Starter Kit TR-315E+	TR-302E+	x	TR-3712E	
TR-619E	3M™ Versaflo™ Starter Kit TR-619E	TR-602E	x	TR-6310E	
TR-819E	3M™ Versaflo™ Starter Kit TR-819E	TR-802E	x	TR-6310E	✓

### Powered Air Turbo (Battery not included)

Name	Description	Particulate/ Nuisance Odour	Gas & Vapour	Submersible	Intrinsically Safe
TR-302E+	3M™ Versaflo™ Powered Air Turbo Unit	✓			
TR-602E	3M™ Versaflo™ Powered Air Turbo Unit	✓	✓	✓	
TR-802E	3M™ Versaflo™ Powered Air Turbo Unit	✓	✓	✓	✓

### Batteries

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

### Chargers

Name	Type	Description	For use with
TR-342E	Single Station	3M™ Versaflo™ Single Station Battery Charger Kit	TR-300+
TR-342-3	3 Station	3M™ Versaflo™ 3-Station Battery Charger Kit*	
TR-642E	Single Station	3M™ Versaflo™ Single Station Battery Charger Kit	TR-600 TR-800
TR-642-3	3 Station	3M™ Versaflo™ 3-Station Battery Charger Kit*	

\*Please note: TR-342-3 and TR-642-3 do not include a power cable. A new multiple station charger option can be created by combining the TR-342 with the 3M™ Versaflo™ 3-Station Battery Charger Pack TR-342-3.

## Filters/Filter Covers

Name	Type	Description*	For use with
TR-371	Filter Cover	3M™ Versaflo™ Filter Cover	TR-300+
TR-3712E	Filter	3M™ Versaflo™ Particulate Filter	TR-300+
TR-3802E	Filter	3M™ Versaflo™ Particulate plus nuisance level organic gases and vapours below Workplace Exposure Limit (WEL) Filter	TR-300+
TR-3822E	Filter	3M™ Versaflo™ Particulate plus hydrogen fluoride gas up to 10 x Workplace Exposure Limit (WEL) and nuisance level acid gases below OEL Filter	TR-300+
TR-6100FC	Filter Cover	3M™ Versaflo™ Filter Cover	TR-6110E & TR-6130E
TR-6110E	Filter	3M™ Versaflo™ A1P Filter	TR-600/TR-800
TR-6130E	Filter	3M™ Versaflo™ A1B1E1P Filter	TR-600/TR-800
TR-6300FC	Filter Cover	3M™ Versaflo™ Filter Cover	TR-6310E
TR-6310E	Filter	3M™ Versaflo™ AP2 Filter	TR-600/TR-800
TR-6500FC	Filter Cover	3M™ Versaflo™ Filter Cover	TR-6580E
TR-6580E	Filter	3M™ Versaflo™ A2B2E2K1HgP Filter	TR-600/TR-800
TR-6700FC	Filter Cover	3M™ Versaflo™ Filter Cover	TR-6710E
TR-6710E	Filter	3M™ Versaflo™ Particulate Filter	TR-600/TR-800
TR-6800FC	Filter Cover	3M™ Versaflo™ Filter Cover	TR-6820E
TR-6820E	Filter	3M™ Versaflo™ Particulate plus nuisance level organic gases and vapours below Workplace Exposure Limit (WEL), nuisance level acid gases below OEL and hydrogen fluoride gas up to 10 x OEL Filter	TR-600/TR-800

## Pre-filters and Spark Arrestors

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

## Belts and Backpacks

Name	Type	Description	For use with
TR-325	Standard Belt	3M™ Versaflo™ Standard Belt	TR-300+
TR-326	High Durability	3M™ Versaflo™ High Durability Belt	
TR-327	Easy Clean	3M™ Versaflo™ Easy Clean Belt	
TR-626	High Durability	3M™ Versaflo™ High Durability Belt	TR-600 TR-800
TR-627	Easy Clean	3M™ Versaflo™ Easy Clean Belt	
TR-927	Easy Clean	3M™ Versaflo™ Easy Clean Back Pack	All
BPK-HD	High Durability	3M™ Versaflo™ Backpack	All

## Cleaning and Storage

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

\*Nuisance odour describes contaminants below the Workplace Exposure Limit (WEL)

**3M PSD products are for occupational use only.**

**Note:** 3M does not accept responsibility or liability, direct or consequential, arising from reliance upon any information provided and the user should determine the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence or fraudulent misrepresentation.



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