

## 3M™ Versaflo™ TR-300, TR-300+, TR-600 and TR-800 Powered Air Purifying Respirators

Choose the system that works best for your environment.

Feature	TR-300	TR-300+	TR-600	TR-800
<b>NIOSH Approved configurations available</b>	Yes	Yes	Yes	Yes
<b>HE Filter</b>	Yes	Yes	Yes	Yes
<b>Chemical Cartridges</b>	No	No	Yes	Yes
<b>Battery Run Time</b>	TR-330 Standard Battery: 4-6 hours* TR-332 High Capacity Battery: 8-12 hours*	TR-330 Standard Battery: 4-6 hours* TR-332 High Capacity Battery: 8-12 hours*	TR-630 Standard Battery: 7-10 hours* TR-632 High Capacity Battery: 10.5-19 hours*	TR-830 Standard Battery: Approximately 6-10 hours*
<b>Battery Charge Time</b>	TR-330 Standard Battery: <3.0 hours TR-332 High Capacity Battery: <3.5 hours	TR-330 Standard Battery: <3.0 hours TR-332 High Capacity Battery: <3.5 hours	TR-630 Standard Battery: <4 hours TR-632 High Capacity Battery: <4 hours	TR-830 Standard Battery: <3.5 hours
<b>Approximate Airflow (loose fitting)</b>	Standard: 6.5 cfm (185 lpm)	Standard: 6.5 cfm (185 lpm) High: 7.2 cfm (205 lpm)	Standard: 6.7 cfm (190 lpm) Medium: 7.2 cfm (205 lpm) High: 7.8 cfm (220 lpm)	Standard: 6.7 cfm (190 lpm) Medium: 7.2 cfm (205 lpm) High: 7.8 cfm (220 lpm)
<b>Cleaning (blower only)</b>	Wipe down only	Wipe down only	Wipe down or rinse or submerge with use of TR-653 Cleaning & Storage Kit	Wipe down or rinse or submerge with use of TR-653 Cleaning & Storage Kit
<b>Corded battery vs all-in-one unit</b>	All-in one	All-in-one	All-in-one	All-in-one
<b>Ingress Protection</b>	IP-53 Rating in use**	IP-53 Rating in use**	IP-54 Rating in use*** IP-67 with cleaning & storage kit in place***	IP-54 Rating in use*** IP-67 with cleaning & storage kit in place***
<b>Elevation Limits</b>	Sea level to approx. 792m (2600 ft)	-100m (-328 ft) to 4300m (14107 ft)	-100m (-328 ft) to 5000m (16404 ft)	-100m (-328 ft) to 5000m (16404 ft)
<b>Belt Options</b>	TR-325 Standard Belt TR-326 High Durability Belt TR-327 Easy Clean Belt	TR-325 Standard Belt TR-326 High Durability Belt TR-327 Easy Clean Belt	TR-626 High Durability Belt TR-627 Easy Clean Belt	TR-626 High Durability Belt TR-627 Easy Clean Belt
<b>Blower Alarms</b>	Visual/Audible	Visual/Audible	Visual/Audible/Vibratory	Visual/Audible
<b>User Interface</b>	Battery charge & filter loading alarm	Battery charge, filter loading & airflow status alarm	Battery charge, filter loading & airflow status alarm	Battery charge, filter loading & airflow status alarm
<b>Batteries</b>	2 batteries, Standard and High Capacity, both include On-Board battery gauge	2 batteries, Standard and High Capacity, both include On-Board battery gauge	2 batteries, Standard and High Capacity, both include On-Board battery gauge	1 standard battery, includes on board battery gauge
<b>Battery Cycles</b>	Approx. 250 – Full charge/discharge cycles	Approx. 250 – Full charge/discharge cycles	Approx. 250 – Full charge/discharge cycles	Approx. 750 – Full charge/discharge cycles
<b>Battery Type</b>	Lithium Ion	Lithium Ion	Lithium Ion	Lithium Ion
<b>Headtops</b>	M-Series, S-Series, H-Series, L-Series SG, BE-Series	M-Series, S-Series, H-Series, L-Series SG, BE-Series	M-Series, S-Series, L-Series & Speedglas™ Welding Helmets & H-Series	M-Series, S-Series
<b>Approximate Motor Blower Weight</b>	TR-300 motor/blower – no battery pack – ~0.85 lbs	TR-300+ motor/blower – no battery pack – ~0.85 lbs	TR-600 motor/blower – no battery pack – ~1.4 lbs	TR-800 motor/blower – no battery pack – ~1.5 lbs
<b>Approximate Battery Weight</b>	TR-330 Standard Battery: 0.5 lbs. TR-332 High Capacity Battery: 0.8 lbs.	TR-330 Standard Battery: 0.5 lbs. TR-332 High Capacity Battery: 0.8 lbs.	TR-630 Standard Battery: 1 lb. TR-632 High Capacity Battery: 1.3 lbs.	TR-830 Standard Battery: 1.5 lbs
<b>Approximate Blower Dimensions With HE filter and cover</b>	8" w x 7" h x 3" d	8" w x 7" h x 3" d	10" w x 8" h x 3" d	10" w x 8" h x 3" d
<b>Shelf Life</b>	Motor/blower – 5 years***** Battery pack – 9 months**** HE Filter – 5 years	Motor/blower – 5 years***** Battery pack – 9 months**** HE Filter – 5 years	Motor/blower – 5 years***** Battery pack – 1 year***** HE Filter – 5 years	Motor/blower – 5 years***** Battery pack – 6 months***** HE Filter – 5 years
<b>User Instructions &amp; Warranty Info</b>	<a href="https://multimedia.3m.com/mws/media/7548670/tr-300-user-instructions.pdf">https://multimedia.3m.com/mws/media/7548670/tr-300-user-instructions.pdf</a>	<a href="https://multimedia.3m.com/mws/media/14900170/3m-versaflo-papr-assembly-tr-300-series-user-instruction.pdf">https://multimedia.3m.com/mws/media/14900170/3m-versaflo-papr-assembly-tr-300-series-user-instruction.pdf</a>	<a href="https://multimedia.3m.com/mws/media/10917740/tr-600-papr-user-instruction.pdf">https://multimedia.3m.com/mws/media/10917740/tr-600-papr-user-instruction.pdf</a>	<a href="https://multimedia.3m.com/mws/media/14583260/3m-versaflo-powered-air-purifying-respirator-assembly-tr-800-series-user-instruction.pdf">https://multimedia.3m.com/mws/media/14583260/3m-versaflo-powered-air-purifying-respirator-assembly-tr-800-series-user-instruction.pdf</a>
<b>Intrinsically Safe and standard</b>	No	No	No	Yes - Blower with battery certified to UL/IEC 60079 (2013)

\* Estimated system run time based on testing with a new battery and a new clean filter at 68°F (20°C). Actual system run time may be extended or shortened depending on system configuration and environment.

\*\* Suitable for use in a decontamination shower with a spray angle of up to 60 degrees from vertical

\*\*\* The IP54 rating indicates the unit is protected against infiltration of dusts and water splash that would interfere with normal operation

\*\*\*\* Battery packs should be charged immediately and fully upon receipt. The battery should be recharged after each use and at least every 9 months

\*\*\*\*\* Battery packs should be charged immediately and fully upon receipt. The battery should be recharged after each use and at least every 9-12 months

\*\*\*\*\* The motor must be run for at least 5 minutes annually to ensure proper lubrication and operation

### Personal Safety Division

3M Center, Building 235-2W-70  
St. Paul MN 55144-1000

Technical Assistance 1-800-243-4630  
Customer Service 1-800-328-1667  
Web 3m.com/versaflo

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70-0716-7213-6

## 3M™ Versaflo™ TR-300, TR-300+ and Air-Mate™ Powered Air Purifying Respirators

Choose the system that works best for your environment.

Feature	TR-300	TR-300+	Air-Mate™
NIOSH Approved configurations available	Yes	Yes	Yes
HE Filter	Yes	Yes	Yes
Chemical Cartridges	No	No	No
Battery Run Time	TR-330 Standard Battery: 4-6 hours* TR-332 High Capacity Battery: 8-12 hours*	TR-330 Standard Battery: 4-6 hours* TR-332 High Capacity Battery: 8-12 hours*	007-00-15R01 – up to 8 hours
Battery Charge Time	TR-330 Standard Battery: <3.0 hours TR-332 High Capacity Battery: <3.5 hours	TR-330 Standard Battery: <3.0 hours TR-332 High Capacity Battery: <3.5 hours	007-00-15R01 – 8-16 hours
Approximate Airflow (loose fitting)	Standard: 6.5 cfm (185 lpm)	Standard: 6.5 cfm (185 lpm) High: 7.2 cfm (205 lpm)	Greater than 6 cfm
Cleaning (blower only)	Wipe down only	Wipe down only	Wipe down only
Corded battery vs all-in-one unit	All-in one	All-in-one	All-in-one
Ingress Protection	IP-53 Rating in use**	IP-53 Rating in use**	N/A
Elevation Limits	Sea level to approx. 792m (2600 ft)	-100m (328 ft) to 4300m (14107 ft)	N/A
Belt Options	TR-325 Standard Belt TR-326 High Durability Belt TR-327 Easy Clean Belt	TR-325 Standard Belt TR-326 High Durability Belt TR-327 Easy Clean Belt	021-41-02 GVP-127 GVP-117 CB-1000
Blower Alarms	Visual/Audible	Visual/Audible	None
User Interface	Battery charge & filter loading alarm	Battery charge, filter loading & airflow status alarm	None
Batteries	2 batteries, Standard and High Capacity, both include On-Board battery gauge	2 batteries, Standard and High Capacity, both include On-Board battery gauge	007-00-15R01
Battery Cycles	Approx. 250 – Full charge/discharge cycles	Approx. 250 – Full charge/discharge cycles	Up to 500 charge/discharge cycles
Battery Type	Lithium Ion	Lithium Ion	007-00-15R01 – Nickel Cadmium (NiCD)
Headtops	M-Series, S-Series, H-Series, L-Series SG, BE-Series	M-Series, S-Series, H-Series, L-Series SG, BE-Series	BE-10, BE-12
Approximate Motor Blower Weight	TR-300 motor/blower – no battery pack – ~0.85 lbs	TR-300+ motor/blower – no battery pack – ~0.85 lbs	1.1 lbs
Approximate Battery Weight	TR-330 Standard Battery: 0.5 lbs. TR-332 High Capacity Battery: 0.8 lbs.	TR-330 Standard Battery: 0.5 lbs. TR-332 High Capacity Battery: 0.8 lbs.	1.7 lbs
Approximate Blower Dimensions With HE filter and cover	8" w x 7" h x 3" d	8" w x 7" h x 3" d	6 <sup>7</sup> / <sub>8</sub> " w x 7" h x 4 <sup>1</sup> / <sub>4</sub> " d
Shelf Life	Motor/blower – 5 years***** Battery pack – 9 months**** HE Filter – 5 years	Motor/blower – 5 years***** Battery pack – 9 months**** HE Filter – 5 years	Contact 3M
User Instructions & Warranty Info	<a href="https://multimedia.3m.com/mws/media/7548670/tr-300-user-instructions.pdf">https://multimedia.3m.com/mws/media/7548670/tr-300-user-instructions.pdf</a>	<a href="https://multimedia.3m.com/mws/media/14900170/3m-versaflo-papr-assembly-tr-300-series-user-instruction.pdf">https://multimedia.3m.com/mws/media/14900170/3m-versaflo-papr-assembly-tr-300-series-user-instruction.pdf</a>	<a href="https://multimedia.3m.com/mws/media/929560/3m-air-mate-belt-mounted-high-efficiency-papr-respirator-user-instructions.pdf">https://multimedia.3m.com/mws/media/929560/3m-air-mate-belt-mounted-high-efficiency-papr-respirator-user-instructions.pdf</a>
Intrinsically Safe and standard	No	No	No

\* Estimated system run time based on testing with a new battery and a new clean filter at 68°F (20°C). Actual system run time may be extended or shortened depending on system configuration and environment.

\*\* Suitable for use in a decontamination shower with a spray angle of up to 60 degrees from vertical

\*\*\* The IP54 rating indicates the unit is protected against infiltration of dusts and water splash that would interfere with normal operation

\*\*\*\* Battery packs should be charged immediately and fully upon receipt. The battery should be recharged after each use and at least every 9 months

\*\*\*\*\* Battery packs should be charged immediately and fully upon receipt. The battery should be recharged after each use and at least every 9-12 months

\*\*\*\*\* The motor must be run for at least 5 minutes annually to ensure proper lubrication and operation

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## 3M™ Versaflo™ TR-600, TR-800, and GVP Powered Air Purifying Respirators

### Choose the system that works best for your environment.

Feature	TR-600	TR-800	GVP
NIOSH Approved configurations available	Yes	Yes	Yes
HE Filter	Yes	Yes	Yes
Chemical Cartridges	Yes	Yes	Yes
Battery Run Time	TR-630 Standard Battery: 7-10 hours* TR-632 High Capacity Battery: 10.5-19 hours*	TR-830 Standard Battery: Approximately 6-10 hours*	GVP-111 – ~8 hours BP-15 – ~8 hours TR-630 when used with TR-659 Adapter – ~9 hours
Battery Charge Time	TR-630 Standard Battery: <4 hours TR-632 High Capacity Battery: <4 hours	TR-830 Standard Battery: <3.5 hours	GVP-111 – 8-16 hours BP-15 – 90% in 2 hours TR-630 – <4 hours
Approximate Airflow (loose fitting)	Standard: 6.7 cfm (190 lpm) Medium: 7.2 cfm (205 lpm) High: 7.8 cfm (220 lpm)	Standard: 6.7 cfm (190 lpm) Medium: 7.2 cfm (205 lpm) High: 7.8 cfm (220 lpm)	Greater than 6 cfm
Cleaning (blower only)	Wipe down or rinse or submerge with use of TR-653 Cleaning & Storage Kit	Wipe down or rinse or submerge with use of TR-653 Cleaning & Storage Kit	Wipe down or with use of GVP-115 – can be rinsed
Corded battery vs all-in-one unit	All-in-one	All-in-one	Corded battery connection
Ingress Protection	IP-54 Rating in use*** IP-67 with cleaning & storage kit in place***	IP-54 Rating in use*** IP-67 with cleaning & storage kit in place***	N/A
Elevation Limits	-100m (-328 ft) to 5000m (16404 ft)	-100m (-328 ft) to 5000m (16404 ft)	N/A
Belt Options	TR-626 High Durability Belt TR-627 Easy Clean Belt	TR-626 High Durability Belt TR-627 Easy Clean Belt	GVP-117 GVP-127
Blower Alarms	Visual/Audible/Vibratory	Visual/Audible	Visual – on battery only
User Interface	Battery charge, filter loading & airflow status alarm	Battery charge, filter loading & airflow status alarm	Battery charge – on battery only
Batteries	2 batteries, Standard and High Capacity, both include On-Board battery gauge	1 standard battery, includes on board battery gauge	GVP-111 BP-15 TR-630 with TR-659 Adapter
Battery Cycles	Approx. 250 – Full charge/discharge cycles	Approx. 750 – Full charge/discharge cycles	GVP-111 – 500-1000 charge cycles BP-15 – ~400 charge cycles 250 full capacity charge/discharge cycles
Battery Type	Lithium Ion	Lithium Ion	GVP-111 - Nickel Cadmium (NiCd) BP-15 – Nickel Metal Hydride (NiMH) TR-630 – Lithium Ion
Headtops	M-Series, S-Series, L-Series & Speedglas™ Welding Helmets & H-Series	M-Series, S-Series	M-Series, S-Series, L-Series, H-Series & certain full face respirators
Approximate Motor Blower Weight	TR-600 motor/blower – no battery pack – ~1.4 lbs	TR-800 motor/blower – no battery pack – ~1.5 lbs	1.1 lbs
Approximate Battery Weight	TR-630 Standard Battery: 1 lb. TR-632 High Capacity Battery: 1.3 lbs.	TR-830 Standard Battery: 1.5 lbs	GVP-111 - 2.5 lbs BP-15 – 1.8 lbs TR-630 battery pack w/ TR-659 Battery Adapter – 1.3 lbs
Approximate Blower Dimensions With HE filter and cover	10" w x 8" h x 3" d	10" w x 8" h x 3" d	6" w x 9¼" h x 3" d
Shelf Life	Motor/blower – 5 years***** Battery pack – 1 year***** HE Filter – 5 years	Motor/blower – 5 years***** Battery pack – 6 months***** HE Filter – 5 years	Contact 3M
User Instructions & Warranty Info	<a href="https://multimedia.3m.com/mws/media/1091774O/tr-600-papr-user-instruction.pdf">https://multimedia.3m.com/mws/media/1091774O/tr-600-papr-user-instruction.pdf</a>	<a href="https://multimedia.3m.com/mws/media/1458326O/3m-versaflo-powered-air-purifying-respirator-assembly-tr-800-series-user-instruction.pdf">https://multimedia.3m.com/mws/media/1458326O/3m-versaflo-powered-air-purifying-respirator-assembly-tr-800-series-user-instruction.pdf</a>	<a href="https://multimedia.3m.com/mws/media/88152O/3m-gvp-series-belt-mounted-powered-air-purifying-respirator-papr-assembly-user-instructions.pdf">https://multimedia.3m.com/mws/media/88152O/3m-gvp-series-belt-mounted-powered-air-purifying-respirator-papr-assembly-user-instructions.pdf</a>
Intrinsically Safe and standard	No	Yes - Blower with battery certified to UL/IEC 60079 (2013)	Yes, with use of GVP-111 Battery - UL 913, 5th edition

\* Estimated system run time based on testing with a new battery and a new clean filter at 68°F (20°C). Actual system run time may be extended or shortened depending on system configuration and environment.

\*\* Suitable for use in a decontamination shower with a spray angle of up to 60 degrees from vertical

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\*\*\*\* Battery packs should be charged immediately and fully upon receipt. The battery should be recharged after each use and at least every 9 months

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\*\*\*\*\* The motor must be run for at least 5 minutes annually to ensure proper lubrication and operation

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