

OptimAir® TL Powered Air-Purifying Respirator



MSA's NIOSH-approved powered air-purifying respirator (PAPR) with loose-fitting hoods and tight-fitting facepieces helps to protect against particulates, toxic gases and vapors, or a combination.

Smart Features for Intuitive Use:

- The OptimAir TL's flow rate can adjust automatically for altitude, and cartridge type through built in smart sensors
- Both audible and visual alarms alert the user if there is a low flow, or low battery voltage

Comfort:

- Low profile system reduces bulk for mobility in tight spaces
- Waist belt helps distribute weight evenly for worker comfort

Versatility:

- Low-profile hood options reduce ear coverage area, allowing for the use of other equipment that may be needed for auditory protection or enhancement.
- Full hood options can be used broadly across heavy industrial applications and clean environments

Cartridges and Accessory Options

- Cartridge service life for OV on MSA cartridge calculator
- HE (Hi-Efficiency)
- Acid gas/organic vapor plus HE
- Acid gas/ammonia/formaldehyde plus HE
- Decon waist belt with optional buckles
- Decon cover for blower and hose



WE KNOW WHAT'S AT STAKE.

OptimAir TL Powered Respirator

NIOSH-APPROVED

A variety of hood materials, styles and configurations are **all** NIOSH-approved. A choice of hose connection is also available. Unit has an APF of 1,000 (Assigned Protection Factor) for tight-fitting facepieces and full coverage single and double bib hoods. Low Profile Hoods have an APF of 25.

Tight-fitting facepiece approvals include the MSA Ultra-Elite®, Advantage® 3100 and Advantage 4100.



Key components

- 1 Audible and visible low-flow alarm
- 2 Standard battery has a minimum run time of 4-hours regardless of cartridge being used
- 3 Audible and visible low-battery voltage alarm
- 4 Combination cartridge switch adjusts for proper air-flow requirements.
- 5 Blower, battery, and cartridges share common platform with no external cables required
- 6 Ergonomic housing design includes contoured blower housing for secure and comfortable fit against user's back





RESPONSE KITS (Include PAPR, Extended Life Battery, Charger, Breathing Tube, Hood and 2 Type HE cartridges)

10214804	Optimair TL Kit with Low Profile Yellow Hood and Type HE Cartridges
10214805	Optimair TL Kit with Low Profile White Hood and Type HE Cartridges
10214891	Optimair TL Kit with Full Single Bib Hood and Type HE Cartridges

STANDARD KITS (PAPR, Battery, Charger & Appropriate Breathing Tube)

10081114	Optimair TL Kit, for Facepieces, standard battery
10081115	Optimair TL Kit, for Facepieces, Extended-Life battery
10081116	Optimair TL Kit, for Hoods, standard battery
10081117	Optimair TL Kit, for Hoods, Extended-Life battery

HOOD AND HOOD ACCESSORIES

10083329	Tychem QC Hood, single bib, threaded connector, w/susp. (4 pack)
10083330	Tychem QC Hood, double bib, threaded connector, w/susp. (4 pack)
10083381	Tychem SL Hood, single bib, threaded connector, w/susp. (4 pack)
10083382	Tychem SL Hood, double bib, threaded connector, w/susp. (4 pack)
10083383	Tychem QC Hood, single bib, standard, w/suspension (4 pack)
10083384	Tychem QC Hood, double bib, standard, w/suspension (4 pack)
10083385	Tychem SL Hood, single bib, standard, w/suspension (4 pack)
10083386	Tychem SL Hood, double bib, standard, w/suspension (4 pack)
10086926	Tychem QC Hood, single bib, threaded connector, yellow, (4 pack)
10086925	Tychem QC Hood, double bib, threaded connector, yellow, (4 pack)
10095739	Tychem QC Hood, single bib, threaded connection (20 pack)
10095740	Tychem QC Hood, single bib, standard connection, (20 pack)
10089665	Fastner kit, Velcro, Hood-to-V-Gard cap
10083843	Hose Clamp for standard hood, (pack of 6).
10049631	Hose, Hood
10082441	Cover lens, hood, (pack of 10)
10078469	Suspension only, w/sweatband Tychem Hood
10083618	Sweatband, hood suspension, (pack of 10)
10087130	Flow check device, hood

LOW PROFILE HOODS

10215117	HOOD, LOW PROFILE, YELLOW, OPT TL, 4/PKG
10215118	HOOD, LOW PROFILE, WHITE, OPT TL, 4/PKG
10215119	HOOD, LOW PROFILE, YELLOW, OPT TL,20/PKG
10215120	HOOD, LOW PROFILE, WHITE, OPT TL,20/PKG
10068152	Spark and water protective cover, cartridge (single unit) (2 required)

CARTRIDGES

10154877	Cartridge, HE, 54 Pack
10080455	Cartridge, HE (hi-efficiency), (6 pack)
10080454	Combination Cartridge (OV/AG/HE), (6 pack)
10080456	Combination Cartridge (AG/AM/FM/HE), (effective against OV), (6-pack)
10068152	Spark and water protective cover, cartridge (single unit) (2 required)

FACEPIECES AND ACCESSORIES	
10028999	Facepiece, Adv 3100, rubber harness, small
10028998	Facepiece, Adv 3100, rubber harness, medium
10029000	Facepiece, Adv 3100, rubber harness, large
10031343	Facepiece, Adv 3100, Advantage harness, small
10031342	Facepiece, Adv 3100, Advantage harness, medium
10031344	Facepiece, Adv 3100, Advantage harness, large
10083796	Facepiece, Adv 4100, silicone, cloth harness, small
10083792	Facepiece, Adv 4100, silicone, cloth harness, medium
10083800	Facepiece, Adv 4100, silicone, cloth harness, large
10083797	Facepiece, Adv 4100, Hycar, cloth harness, small
10083793	Facepiece, Adv 4100, Hycar, cloth harness, medium
10083801	Facepiece, Adv 4100, Hycar, cloth harness, large
10083798	Facepiece, Adv 4100, silicone, rubber harness, small
10083794	Facepiece, Adv 4100, silicone, rubber harness, medium
10083802	Facepiece, Adv 4100, silicone, rubber harness, large
10083799	Facepiece, Adv 4100, Hycar, rubber harness, small
10083795	Facepiece, Adv 4100, Hycar, rubber harness, medium
10083803	Facepiece, Adv 4100, Hycar, rubber harness, large
10065330	RD-40 Inlet assembly, required for all Advantage 4100 facepieces.
10049630	Hose, Facepiece
10087129	Flow check device, facepiece



MISC. ACCESSORIES	
10085084	"O" ring replacement, all hoses, (pack of 10)
10076108	Battery, standard, Optimair TL
10076109	Battery, Extended-Life, Optimair TL
10076110	Charger, standard battery, Optimair TL
10076107	Charger, Extended-Life battery, Optimair TL
10075799	Decon Cover, Optimair TL, clear, (pack of 5)
10087152	Decon Cover, Optimair TL, yellow, (pack of 5)
10091958	Decon Cover, Heavy Duty, Yellow (pack of 5)
10074725	Decon Belt (cam buckle)
10078201	Decon Belt (back pack buckle)
10049623	Comfort Belt
10088150	OptimAir TL Blower Unit only
10081414	Cover, Cartridge receptacle
10059112	Shoulder Strap, Optimair TL



Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.

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