

# 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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