

Integral Welder's Adapter

part no.
470786

for Ultravue[®] and Ultra-Twin[®] Facepieces (NIOSH-approved) less welding plate

INSTALLING THE ADAPTER

1. Remove the 2-piece lens ring by loosening the screws (figure 1) until the joints are free. Disengage the lens rings from the facepiece rubber lens flange and remove the lens.

⚠ CAUTION

Make certain that the lens groove is free of dirt, lens fragments, etc., before inserting the welding adapter.

2. Insert the integral welders adapter hinges up into the groove aligning the indexing marks located at the top and bottom of the adapter with the vertical centerline of the facepiece. After the adapter is assembled in the rubber flange groove, ensure proper seating by pressing rubber flange against edge of adapter all the way around.
3. Assemble 2-piece lens ring over facepiece rubber flange (figure 2). Align the ends of the lens ring with the index marks on the adapter and press into place. Assemble the remaining lens ring in same manner. Tighten the screw (figure 1) by engaging nut.

NOTICE

DO NOT over-tighten. Rubber must not extrude from between lens ring ends at joint. If this occurs, repeat steps 2 and 3.

4. Test for Adapter Leakage — Adjust facepiece to the face and seal the facepiece air inlet by plugging with a suitable cork or by tightly holding the hand over the air inlet.

NOTE: While the air inlet is sealed, you will not be able to breathe. Check for leakage by gently inhaling and holding for ten (10) seconds. A leak-free facepiece will draw toward the face and remain in this position while the negative pressure is maintained. If a leak is detected, the lens seal plus other mask seals must be rechecked.

⚠ WARNING

This device may not seal properly with your face if you have a beard, gross sideburns or similar physical characteristics (see ANSI Z88.2-1980). An improper facial seal may allow contaminants to leak into the facepiece, reducing or eliminating respiratory protection. If such conditions exist, you the user, assume all risks of respiratory injury or death which may result. The face-to-facepiece seal must be tested before each use. Never remove the facepiece except in a safe, non-hazardous non-toxic atmosphere. Failure to follow this warning can result in serious personal injury or death.

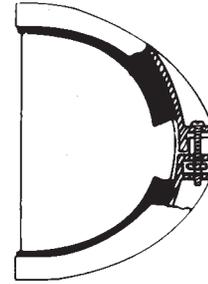


Figure 1

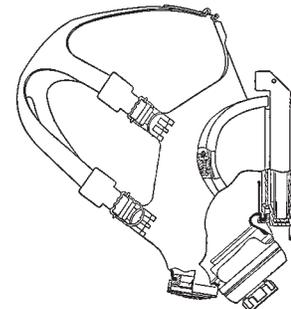


Figure 2

CAUTION

Remove all lens protective papers before using the mask.

STANDARD LENSES

To change the welding lens or replace the cover plate, raise the door of the adapter and push inward while simultaneously sliding the lenses out through the slot provided in the side of the door.

MAK-1 AUTO-CHANGE™ LENS

This adapter may also be used with a MAK-1 automatic-darkening welding lens. The MAK-1 lens has five dark shade levels: 9, 10, 11, 12, and 13. Welders can see their work at comfortable light levels with constant eye and face protection. The lens automatically darkens in 0.3 milliseconds after an arc is struck without flipping a helmet. The non-electronic, UV/IR interference filter constantly blocks injurious radiation, whether the lens is light or dark, on or off.

For installation, use, maintenance, and cleaning of the MAK-1 lens, refer to the instructions provided with the lens kit (P/N 697354).

CLEANING AND SANITIZING

NOTICE

DO NOT use cleaning solutions or water on Auto-Change lens. When cleaning an Auto-Change lens, refer to instructions (P/N 802205) provided with the lens kit.

The entire facepiece assembly and adapter should be cleaned and sanitized after each wearing with MSA Cleaner-Disinfectant Liquid (P/N 697284).

1. Remove the adapter from the facepiece.
2. Remove the welding lens and cover plate from the adapter. Clean separately.
3. Clean the adapter, facepiece assembly, and standard lens as follows
 - a. Make a solution of cleaner-disinfectant liquid and water, following the instructions on the cleaner-disinfectant container.
 - b. Immerse in solution and scrub gently with a soft brush until clean.
 - c. Rinse in clear warm water (maximum 120°F) and allow to air dry.

NOTICE

Cleaning at or below the recommended 120°F temperature will avoid possible overheating distortion of parts of the respirator which would require replacement.

ACCESSORIES

Part No.	Description
87013	Lens Retaining Spring
87408	Hood, Chrome Leather
87009	Spacer, Lens
486568	Welders Hood-Rubberized Glass Yarn
696095	Plastic Cover Plate

STANDARD LENSES (Heat Treated Glass)

Part No.	Description
38346	Welding Plate, Shade No. 6
38347	Welding Plate, Shade No. 10
38277	Welding Plate, Shade No. 12
38348	Welding Plate, Shade No. 14

MAK-1 AUTO CHANGE™ LENS (Electronic Lens)

Part No.	Description
697354	Lens, Auto-darkening, Shade 9 through 13

For More Information, call 1-800-MSA-2222 or Visit Our Website at www.MSAnet.com



MINE SAFETY APPLIANCES COMPANY
PITTSBURGH, PENNSYLVANIA, U.S.A. 15230