

Work-Line Attachment for AirHawk™ MMR Air Mask or Blackhawk® MMR Air Mask

Low/High Pressure

OPERATION AND INSTRUCTIONS

WARNING

THIS MANUAL MUST BE CAREFULLY READ AND FOLLOWED BY ALL PERSONS WHO HAVE OR WILL HAVE THE RESPONSIBILITY FOR USING OR SERVICING THIS AIR MASK. This Air Mask will perform as designed only if used and serviced according to the instructions; OTHERWISE IT COULD FAIL TO PERFORM AS DESIGNED, AND PERSONS WHO RELY ON THE AIR MASK COULD SUSTAIN SERIOUS PERSONAL INJURY OR DEATH.

This Self-Contained Breathing Apparatus (SCBA) is certified by the National Institute of Occupational Safety and Health (NIOSH).

The warranties made by MSA with respect to the product are voided if the product is not installed, used and serviced in accordance with the instructions in this manual. Please protect yourself and your employees by following the instructions. Please read and observe the WARNINGS inside. For any additional information relative to use or repair, write or call 1-800-MSA-2222 during regular working hours.



For More Information: Call (1-800-MSA-2222) or Visit Our Website at (www.MSAnet.com)



Be Sure.
Choose MSA.

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

INTRODUCTION

TABLE OF CONTENTS

| | |
|------------------------------|---|
| Introduction | 2 |
| Before Use/Description | 3 |
| Operation | 5 |
| After Use | 7 |

NIOSH APPROVAL INFORMATION CAUTIONS AND LIMITATIONS

- D - Air-line respirators can be used only when the respirators are supplied with respirable air meeting the requirements of CGA G-7.1 Grade D or higher quality.
- E - Use only the pressure ranges and hose lengths specified in the User's Instructions.
- I - Contains electrical parts which have not been evaluated as an ignition source in flammable or explosive atmospheres by MSHA/NIOSH.
- J - Failure to properly use and maintain this product could result in injury or death.
- M - All approved respirators shall be selected, fitted, used, and maintained in accordance with MSHA, OSHA, and other applicable regulations.
- N - Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
- O - Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
- S - Special or critical User's Instructions and/or specific limitations apply. Refer to User's Instructions before donning.

S - SPECIAL OR CRITICAL USER'S INSTRUCTIONS

- Approved for use at temperatures above -25°F.
- If supplied-air fails, open the cylinder valve and disconnect the Air-Line Hose. Immediately return to fresh air.

DESCRIPTION

The AirHawk/BlackHawk MMR Air Mask with Work-Line Attachment is a combination self-contained breathing apparatus (SCBA) and supplied-air respirator. It is a self-contained breathing apparatus rated for either 30, 45, or 60 minute service duration. It is also a supplied-air respirator utilizing a supply of air from a stationary cylinder or compressor.

This apparatus is jointly approved by the Mine Safety and Health Administration (MSHA) and the National Institute for Occupational Safety and Health (NIOSH). It is approved for use as a pressure demand, self-contained breathing apparatus for entry or escape from oxygen-deficient atmospheres, gases, and vapors. It also is approved for use as a combination apparatus during entry into and escape from oxygen-deficient atmospheres, gases, and vapors when not more than 20 percent of the cylinder's rated capacity is used during entry.

When used as a combination apparatus, the device shall be supplied with respirable air through 8 to 300 feet of air-supply hose from MSA, within a pressure range of 70-90 psig.

WARNING

DO NOT install or attempt to use any hose assembly or fitting other than those supplied by MSA for the Work-Line Attachment. THIS COULD RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

BEFORE USE

PREPARATION FOR USE

Follow the Donning Procedures in the AirHawk or BlackHawk MMR Air Mask Operation and Instructions Manual in addition to the procedures below before entering a toxic or hazardous atmosphere.

AIR SUPPLY

1. Air Hose: When used as a combination apparatus, the device shall be supplied with respirable air through air supply hose with a minimum length of 8 feet and a maximum length of 300 feet within a pressure range of 70-90 psig. A maximum of 12 sections of straight or uncoiled air supply hose may be used in making up the working length of hose. When using coiled hose, a maximum of six (6) sections may be used and each section is considered to be 50 feet long. Hose sections vary from 8 feet to 100 feet lengths. The air-line connection to the apparatus is to be made through approved Quick-Disconnects only.
2. The purity of the air supply is the responsibility of the user. The respirator is approved only when the air supplied meets the requirements of the Compressed Gas Association Specification G-7.1989 quality verification level (Grade) D for Gaseous Air.

⚠ WARNING

Particles and contaminants can enter a supplied-air respirator system when air supply hoses are disconnected and/or reconnected in a contaminated atmosphere.

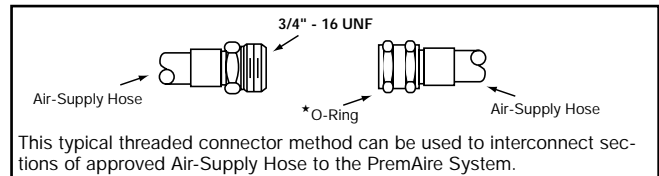
This could result in serious injury or death depending on the toxicity of the contaminant involved. It is the responsibility of the user to determine the potential risk and to take the necessary precautions, which may include a requirement that **NO** disconnection or reconnection of air supply hoses be permitted in a contaminated atmosphere. If in doubt **DO NOT** disconnect and/or reconnect.

HOSE-TO-HOSE CONNECTIONS

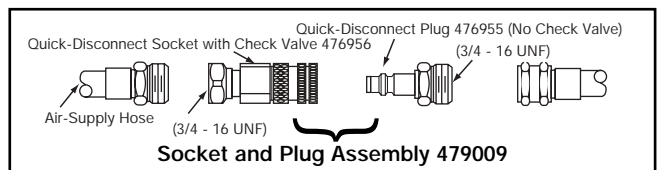
Air-Line Hose connections are to be made through approved MSA couplings only.

⚠ WARNING

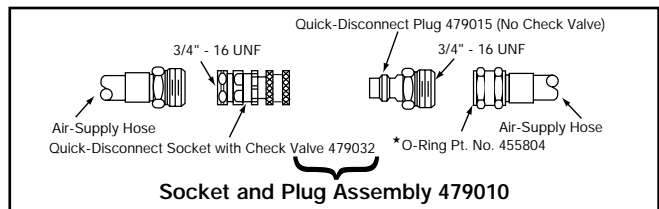
Hoses must only be interconnected with either the threaded connector (3/4-16 UNF) or **LOCKING Quick-Disconnect Couplings** listed below. **DO NOT use NON-LOCKING Quick Disconnects to interconnect Air-Line Hoses.**



CEJN - Chrome



SNAP-TITE — Aluminum

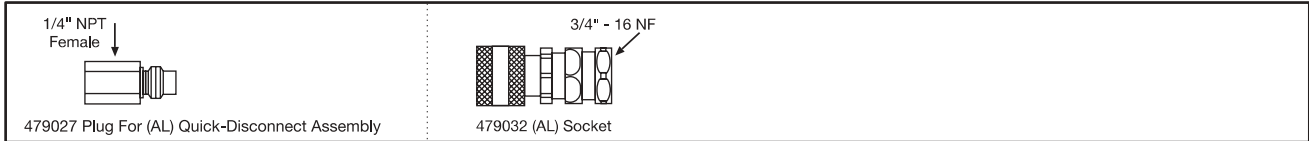


BEFORE USE

MANIFOLD-TO-HOSE CONNECTIONS

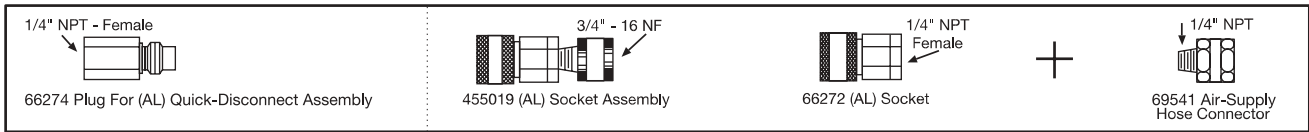
LOCKING TYPES

SNAP-TITE — Aluminum (AL)

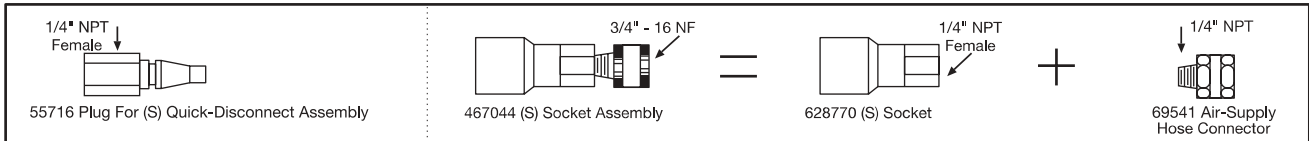


NON-LOCKING TYPES

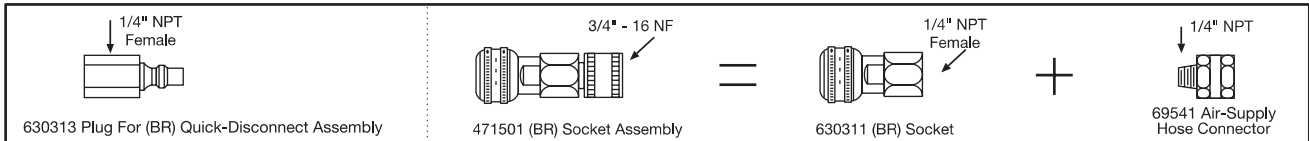
SNAP-TITE — Aluminum (AL)



FOSTER — Steel (S)

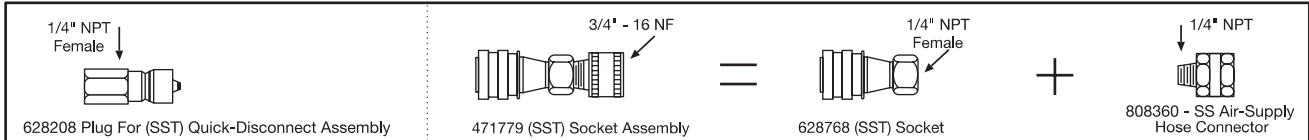


HANSEN — Brass (BR)



NON-LOCKING TYPES — WITH CHECK VALVE IN PLUG

HANSEN — Stainless Steel (SST)



OPERATION

SUPPLIED-AIR MODE

1. Don the apparatus to check for leaks and proper operation of the apparatus as described in the SCBA user instructions.
2. Breathe normally.
3. Open the valve on the stationary air supply.
4. Connect the Air-Line Hose Quick-Disconnect Coupling to the Work-Line Manifold. Pull on the coupling to ensure that it has locked in place.

CAUTION

NIOSH/MSHA limitations for this device require that not more than 20 percent of the cylinder air be used during entry before connecting to the Supplied-Air Mode.

WARNING

The cylinder valve on the back mounted cylinder must be closed and remain closed during use in the Supplied-Air Mode. Failure to do so can result in depletion of the cylinder air.

CYLINDER MODE

CAUTION

NIOSH/MSHA limitations for this device require that not more than 20 percent of the cylinder air be used during entry before connecting to the Supplied-Air Mode.

To switch from the Supplied-Air Mode to Cylinder Mode, the following disengagement procedure must be followed.

1. Open the cylinder valve and air from the SCBA cylinder will be delivered to the user.
2. Disconnect the Air-Line Hose Quick-Disconnect Coupling from the Work-Line Manifold.

EMERGENCY OPERATION

If the Air-Line Supply should fail for any reason as detected by interrupted breathing, perform the following:

1. Open the cylinder valve.
2. Disconnect the Air-Line Hose Quick-Disconnect Coupling from the Work-Line Manifold.
3. If air is still not delivered to the facepiece, the second stage bypass should be activated. Immediately return to fresh air.

AFTER USE

Follow the steps outlined in the AirHawk or BlackHawk MMR Air Mask Operation and Instructions Manual for proper removal and storage of the apparatus.



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